PRICE 15 CENTS

MARCH 28, 1891.

THE AMERICAN ARCHITECT AND BUILDING NEWS

VOL. XXXI. * REGULAR EDITION * NO. 796.

ARCHITECTVRE

ENGINEERING

DECORATION

CONSTRVCTION

TICKNOR & COMPANY

BOSTON MASS.

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THE AMERICAN ARCHITECT AND BUILDING NEWS.

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Entered at the Post-Office at Boston as second-class matter.

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A FASHION has sprung up in New York which deserves to be severely condemned. Within a few weeks, several instances have occurred where tenement-houses have been set on fire, apparently for no other object than to burn the occupants alive. The mode of operating seems usually to be to saturate a pile of rags or rubbish with kerosene and set it on fire. Sometimes the fire is set in the cellar, as near as possible to the foot of the stairs, but in one house, which had an elevator-shaft, it was kindled at the foot of this. A day or two age, fire was set in a block of four adjoining tenement-houses in the cellar, under the stairway of one of them. Fortunately, one of the occupants came home late at night, and, smelling smoke, warned the others, and, after putting the fire out, began an investigation, which resulted in the discovery that the incendiary had opened the door leading from the cellar in which the fire was set into a light-shaft, between this and the adjoining house, and had fastened it open, apparently for the purpose of drawing the flames into the shaft, so as to set fire to the next house. There were no proper fire-escapes on any of the buildings, but balconies extended from one house to the next through the block. The incendiary, who seems to have pursued his intention of roasting three or four hundred people alive with much intelligence, had, however, arranged to prevent any one from getting out of any of the houses by taking off the inner knobs from all the outside doors, so that the doors could not be opened from the inside; and it was necessary to break the lock, by prying the door open, before a messenger could be sent out for a policeman. So far, no trace has been found of the incendiary, but, when he is discovered, we should not regret very much to have him summarily burned alive in the middle of Union Square, as a warning to other people who share his eccentric tastes.

A MEAGRE paragraph is circulating through the daily papers, to the effect that an English expedition is about to make an exploration of the ruins of Palenque, in the State of Chiapas, in Mexico, which have been known for many years, but have never been fully examined. It is said that an English engineer, who recently visited Palenque, estimates, from the ruins still to be seen there, that the population of the city must have been numbered by millions. We may be allowed to doubt whether this estimate is entirely trustworthy, but the "American Babylon," as the Mexicans call it, must have been a large city. At present, the site is nearly covered by the tropical forest, and it will be a difficult task to excavate it, but some curious discoveries are likely to be made. The present people of the country are said to be afraid to visit the spot, saying that the ruins are inhabited by spirits. According to the earlier explorers, the workmanship of the ruins is coarse and barbaric, so that no great artistic treasures will probably be found; but some light ought to be shed by the explorations on the much-vexed question of the connection between Central America and Asia, and the date of the American monuments. It will be remembered that a recent traveller professed to have found in some part of Central America inscriptions in "old Chinese," which apparently proved a close connection between the inhabitants of the two shores of the Pacific, and, still later, some one has come to the conclusion that the Americans were the original race, and that Asia was settled by colonies from Mexico and the Isthmus. There is, obviously, a chronological problem to be solved before this idea can be reconciled with that of the ethnologists who believe that Palenque and Uxmal were flourishing at the time of the Spanish conquest, and the English will have plenty of theories to choose from in explaining what they find.

EXPERIMENTS are now going on in Germany with electric currents of very high tension, which have a good deal of interest to architects, who are called upon, each day more and more, to plan and direct the introduction of electric appliances in their buildings. Every one will remember the somewhat acrimonious discussion of a year or two ago about the danger of alternating currents of electricity at one thousand volts pressure, and the proposition of a company in England to use a ten-thousand-volt current was looked upon as wildly reckless. Now, however, a line is in process of construction to carry a current of twenty-five thousand volts. The line is to be about a hundred miles long, and is to extend from the Falls of the Neckar, at Lauffen, to Frankfort-on-the-Main, along the railway route, through Heilbronn, Jaxtfeld and Hanau. It is to be used to convey a force of about three hundred horse-power, obtained from the cataract by a turbine wheel, to the building of the electrical exhibition in Frankfort, and the object of using a current of such high tension is to reduce the cost of the wire, under the rule that the smaller the wire, the greater the resistance, and the higher must be the electrical pressure of the current to force its way through it. The current is obtained from a dynamo, which delivers it at a pressure of one hundred volts, and is passed through a transformer, which changes it into one of much higher tension. On arriving at its destination, a second transformer changes the current back again into one of one hundred volts, suitable for actuating motors, and for feeding incandescent lamps. In the experiments which have already been made, the two transformers were connected to the dynamos, a wire about three miles long being stretched between them, passing in various directions about the territory connected with the station. On setting the dynamos in motion, a current of thirty-three thousand volts, as measured by a Thomson voltmeter, was developed, which was reduced without difficulty to one hundred volts by the second transformer. A trial was then made to determine how great would be the tendency of such a current to leave the wire, it having been asserted that a far more feeble current would jump several feet from a wire, to strike a man standing below. With this object, the wire was cut, and the two ends cut brought slowly together. Under a difference of tension of twenty-two thousand volts between the two pieces of wire, no spark forced its way across the intervening space until the ends had been brought within twenty-two millimetres of each other, — less than an inch. Another experiment was tried, to see whether the ordinary safety cut-off could be used with so strong a current. A ball of lead was interposed in the circuit, and the effect of the fall of a loose wire, or of a tree, was imitated by dropping a piece of wire across the circuit. The short-circuiting thus caused was instantly felt by the lead ball, which melted, with a flash and small explosion, cutting off the current.

THE *Wiener Bauindustrie-Zeitung* informs us that a "leaning tower" is to be built in the town of Terlan, near Bozen, in Switzerland. For many years a tower had existed there, which, through some defect in the foundation, had settled at one side, so as to present an imitation of the leaning towers of Pisa and Bologna. Unlike these, however, the leaning tower of Terlan continued to lean more and more, until, in 1884, it was decided to be in a dangerous condition and was taken down. Now, however, the municipal authorities, finding the attractions of their town much diminished by the absence of the leaning tower, have decided to rebuild it, and contracts have been made by which, on the opening of the building season, the work will be commenced, and the tower, which, of course, will be calculated to lean well within the limits of safety, will be completed as rapidly as possible.

THE *Engineering Record* quotes from *Notes and Queries* an item in regard to what is, perhaps, the oldest example recorded of a passenger elevator. The manuscript journal of a tourist, under date of October 30, 1777, in describing the house of the Empress Maria Theresa, says that it contained a "curious machine" by which the Empress, who was too fat to go up and down stairs, was conveyed "through a well from one story to another, to the top of her house." There were three strings in the well, which, when pulled by the Empress, served as signals to go up, or stop, or go down. No doubt, hoists used by workmen existed in the German mines long before the time of Maria Theresa, but she seems to have been the first to adapt one to a dwelling-house. The earliest of the sort in this country was, perhaps, the one constructed in the Harvard College Observatory, in Cambridge, under its first Director, Professor Bond. This was a small platform, with a chair, which could be pulled slowly up, by means of a block and tackle, by its occupant, and was used to convey passengers to and from the observing room in the dome. The next, which was many years later in date, seems to have been the famous "vertical railway," built by Otis Tufts in the Fifth Avenue Hotel, in New York, which was the parent of the whole family of hotel passenger elevators.

ACCORDING to the *Deutsche Bauzeitung*, the project for a bridge over the Bosphorus, to connect Constantinople with Asia, is seriously revived. Twenty-five years ago, an Austrian engineer, Herr von Ruppert, prepared plans for such a bridge; but the war with Russia prevented any serious attention from being paid to it. Now, however, the firm of Giano & Gouvrée have laid before the Turkish Government a scheme, which is under serious consideration, and involves the construction of a bridge across the Bosphorus, about a mile and a half long, with a clear span of sixteen hundred feet in the middle, for the passage of ships. The bridge is to be about a hundred and thirty feet above the water, so that there will be no need of draw-spans. It seems that the commerce of Constantinople is becoming very extensive. Last year, more than thirty-seven thousand vessels entered and left the harbor; so that it is proposed to unite with the bridge, on the Asiatic side, extensive docks, to facilitate commerce. As Constantinople, like the ancient Byzantium, stands at the gateway between Europe and Asia, it seems quite possible that a bridge of the kind proposed, with a good system of railroads at each end, might immensely increase the importance of the city.

A NEW opera-house is to be built in London, which is intended to be perfectly fireproof. The whole construction is of iron and stone, or cement, and an arrangement, of rather doubtful convenience, is provided, by which the whole auditorium, as well as the stage, can be drenched with water by perforated pipes supplied from the Thames. It is, no doubt, objectionable to be burned alive, but experience shows that the victims of theatre-fires are not often roasted, but are suffocated by the smoke from the burning scenery on the stage; and, if the scenery should take fire, it is difficult to see how a shower in the auditorium could subdue the smoke from the stage, while the effluvium from a torrent of Thames water would be little less suffocating than the smoke itself. The scenery and stage apparatus are to be arranged on the "Asphaleia" principle, and will, we suppose, furnish the first example of the system in England. The main part of the scenery is painted, like a panorama, on a long strip of canvas running on vertical rollers around three sides of the stage, and the touch of a button is sufficient to set the propelling machinery in motion and unroll a new scene.

THE old pupils of the Paris School of Fine Arts will be interested to know that the "hazing" scandal in the *atelier* Bonnat, besides involving the closing of the *atelier*, has been the cause of the promulgation of an order, by which the *masse*, or fund for the payment of studio expenses, is, in each studio, to be placed under the supervision of the State. Official notice will be given of the contribution to be made by each pupil, and the *massier*, or treasurer, in each studio, although still elected by the pupils, must be accepted by the school authorities before he can enter upon his duties. The "*bienvenue*," or entrance contribution, usually paid by new pupils as a sort of present to their future companions, is to be discouraged. Its payment is not actually forbidden, but newcomers are to have official notice that they need not pay it unless they choose, and the *anciens* are strictly forbidden to demand it. Whether the new regulations will accomplish all that is expected of them remains to be seen. In consequence of the death of M. Albert Lenoir, the late secretary of the School, M. Henry Jouin, a laureate of the Institute, has been appointed secretary.

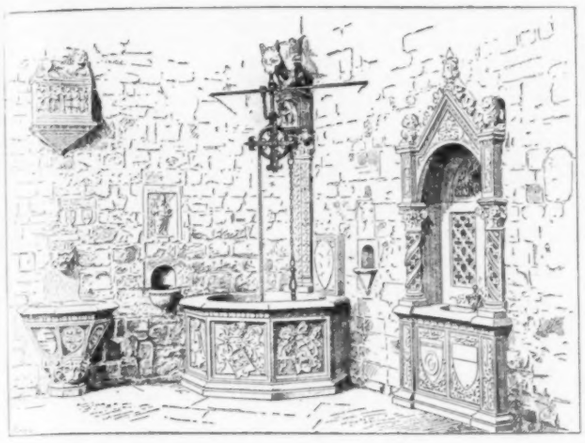
A PRETTY scheme has been carried out this winter in St. Petersburg, in the concert garden known as the Aquarium. Last year a miniature Eiffel Tower, in ice, ornamented the garden. This year, an "ice-labyrinth" has taken its place. This is a construction of blocks of ice, consisting of complicated passages, out of which it is really difficult to find the way. The persons who lose themselves in it are, however, entertained by the inspection of a great number of statues and busts of distinguished persons, all in ice, and, if they arrive at the central point, find an imposing staircase of ice, at the head of which stands a fine group of ice statuary. The whole affair is brilliantly lighted by electric lamps, with glass shades of different colors.

A NEW application for removing old paint from walls or woodwork is described in the *Bautechnische Zeitschrift*. Five parts of commercial solution of water-glass (silicate of soda) are to be mixed with one part of a forty per cent solution of carbonate of soda; and to this is to be added one part of ammonia. The paint to be removed is to be brushed with this mixture, which must be allowed to remain for several days. Washing with water will then easily remove the paint. This application will remove varnish, as well as paint. Soft soap, either alone, or mixed with alum, meal, and caustic potash or soda, may also be applied in the same way, and, after a few days, washed off.

THE great church of the Sacred Heart, at Montmartre, in Paris, has just been placed in charge of its third, or, we might say, its fourth architect. At the death of its original designer, Abadie, it was, after some discussion, confided to Laisné, who is now succeeded by M. Rauline. Rauline assisted Abadie in his work on the church at the very commencement, and has been associated with Laisné for the past four years, so that he is thoroughly familiar with the building. At the request of the Cardinal of Paris, however, M. Charles Garnier has been appointed consulting architect, to aid the building committee in deciding about important matters.

THE first prize for designs for the Woman's Pavilion, at the Chicago Exposition, has been awarded to Miss Sophia G. Hayden, of Boston, a graduate in architecture of the Massachusetts Institute of Technology. The prize consists of one thousand dollars in money, but Miss Hayden has been called to Chicago to complete her drawings for the building, so the award probably includes the execution of the design. Miss Lois L. Howe, also a graduate of the Institute of Technology, receives the second prize, of five hundred dollars, and Miss Laura Hayes, of Chicago, the third.

TESTS OF FIREPROOF ARCHES.[1]



Well in the Court-yard of the Chateau de Vincigliata. From *L'Art.*

THE Equitable Building in Denver, Colorado, now being erected, is to be a modern office-building, absolutely fireproof, two hundred (200) feet by one hundred and twenty-five (125) feet, nine (9) stories high. On November 5, 1890, the bids for executing the fireproofing of this building were opened and it was found that three competitors figured on the work, viz: The Pioneer Fireproof Construction Company of Chicago, who were the lowest bidders, the Wight Fireproofing Company of Chicago, who were the next lowest bidders, and Thomas A. Lee, of Kansas City, Mo., who was the highest bidder. The Pioneer Company and the Wight Company both figured on furnishing the well-known and common form of fireproofing, they building their floor-arches of dense fire-clay, the hollows in the tile running parallel with the floor-beams supporting the arch, and the arch blocks breaking joints in every course. Mr. Lee figured on furnishing the floor-arches of what is known as "porous terra-cotta" which is simply clay which turns reddish when burned, mixed with saw-dust before burning. The saw-dust being burned out leaves the material very porous and light. The arches which Mr. Lee proposed to build for this building also differed in construction from those proposed by the Wight and the Pioneer Companies. The hollows in Mr. Lee's arches, instead of running parallel to the beams, were to run at right angles to the beams, so that the ribs, instead of running parallel to the beams, would form continuous girders, as it were, from one beam to the other.

On November 6, Mr. Lee represented to the architects that his material and his method of construction constituted a very much more substantial job and a much more fireproof job than did the material and method of his competitors, and claimed that, although he was the highest bidder, his proposition was a better one for the Company to accept than was the proposition of the lowest bidder, because the value of his work, in strength and fireproof qualities, was much greater. Mr. Lee asked that comparative tests be made so that the relative values in strength and fireproof qualities of the floor-arches proposed by the different competitors might be arrived at. After consultation with their clients, the Denver Equitable Building Company, the architects decided to institute such tests as Mr. Lee asked for, provided the other competitors should agree to enter the contest. It was found that all the competitors were willing to submit their materials and methods to a comparative test, and all the competitors seemed anxious that the test should be very complete and very severe.

After considerable correspondence and discussion as to just how the tests should be conducted, the following specifications were drawn up by the architects and adopted by all the competitors, to govern the conduct of the tests:

SPECIFICATIONS FOR TESTS OF FIREPROOF FLOOR-ARCHES PROPOSED.

General: — The tests shall consist of four kinds, as follows:

A. — A Still-Load, increased until the arch breaks down;

B. — Shocks, repeated until the arch is destroyed;

C. — Fire-and-Water, alternating until the arch is destroyed;

D. — Continuous-Fire of high heat, until the arch is destroyed.

The tests shall all be upon arches ten inches (10″) in depth, with mid-web, built between I-beams five feet (5′) on centres; length of arch along the beams not less than four feet (4′).

The hollow tiling used by each competitor shall be of his kind and character; shall be of regular dimensions, size, quality, weight, thickness of shell and web, quality of clay, hardness of burn and in all particulars to conform to his regular tiling and be the average material of his kind, and to be an average of his like arches and of his method of construction daily being used in buildings of like character to the Equitable. The tiling and arch used by each competitor shall all be alike. Each test-arch shall be separate and distinct, built upon its own support and foundations, in order that the failure of one arch may not weaken the next. The foundations shall be strong and firm to insure their remaining intact until the tests are finished, and shall be high enough to raise the bottom surfaces of the arches to the height hereinafter specified. The foundations supporting the I-beams shall be of brick or stone.

The ties, bars, bases, etc., for firmly and rigidly holding beams in place and to prevent any springing or spreading, shall be so strong and substantial as to prevent any movement whatsoever of the beams, in order that the tests may show the full capacity of the tiling. The arches of each competitor shall be built by him in the ordinary way, of his method and kind, and there shall be no difference or variation between all of the arches of a competitor. In order that the arches may be ready to test at the earliest day practicable, Portland-cement mortar shall be used in setting the tile — the mixture to be one part of cement to two of sand. The tiling in all the arches shall be left bare without either concrete on top or plastering on the bottom, in order that the tiling alone may be tested and the tests be expeditious. Each competitor shall provide four arches of his kind.

DETAILS FOR EACH KIND OF TEST.

Test A, Still-Load: — This arch of each competitor shall remain in accordance with the general specifications, and the bottom of the arch shall be two feet above the ground. Upon the top of the arch, loose brick shall be piled, occupying a space of three feet (3′) square (9 square feet) in the centre of the arch, and shall be piled up steadily and regularly without jars until the arch breaks down. This test shall be applied to the arches prepared for it by all the competitors, at the same time, and they shall be loaded to the same extent in the same space of time.

Test B, Shocks: — This arch of each competitor shall remain in accordance with the general specifications, and the bottom of the arch shall be two feet (2′) above the ground. Upon the top surface of the arch there shall be dropped, from a distance above of 12′, a piece of square timber five feet (5′) long and twelve inches (12″) square, and shall be so dropped as to land sidewise upon the arch about the centre and parallel with the beams. The dropping of this timber shall be continued until the arch is destroyed. This test shall be applied to the arches prepared for it by all the competitors, consecutively, one after the other, and a record shall be kept of the number of times a blow is repeated before an arch is destroyed.

Test C, Fire-and-Water: — The arch of each competitor, for this test, shall in addition to the general specifications, be walled-in with brick sufficiently to form a sort of furnace with a slight chimney and a draught to ensure good combustion. There shall be an ash-pit and a grate provided, the top of the grate to be two feet (2′) above the ground and the bottom of the arch to be two feet, three inches, (2′.3″) above the top of the grate. The fuel shall be coal and wood, arranged to form an incandescent bed eight inches (8″) thick. The top of the arch shall be covered with loose brick to the extent of a weight of three hundred (300) pounds to the square foot over the whole top surface. The fire shall be lighted at 8 o'clock in the morning of the day for the tests, and shall be made to burn rapidly and to a high heat, and uniformly over the entire surface throughout the period of an hour and a half, when a stream of cold water, from a hose capable of throwing a stream thirty (30) feet shall be directed up forcibly against the bottom surfaces of the arches and so continued for three minutes, after which the fires shall at once be renewed and continued for an hour and a half again, when the water shall be applied as before. The fire and water shall thus be applied until the arch is destroyed. These tests of fire and water shall be begun at the same time and the fires shall be kept to the same heat and in the same condition under all arches prepared for this test, alike.

Test D, Continuous-Fire: — This arch of each competitor shall, in addition to the general specifications, be provided with the same kind of grate, the same kind of furnace, the same kind of load on top, the same kind of hot fires and all things the same as under "Detail Specifications for Test C," except that no water shall be applied. The fires shall be continued and made to burn rapidly and vigorously and to a high heat uniformly under the whole surface of the arches prepared for it by the competitors, and shall be started at 8 o'clock in the morning of the day of the test and continued without intermission until the arch is destroyed.

DIRECTION OF TESTS.

The tests shall be witnessed privately by those interested in or representing the Building Company and the competitors and their representatives. In order that the tests shall be fairly conducted, and each competitor's arch tested alike under a given test, the architects shall take full charge and direction of the tests, and shall personally witness and manage them. They shall employ the workmen to execute the work of the testing. The workmen shall be intelligent and capable, and the number required to be determined by the architects. They shall work entirely under the orders from the architects. The wages of these workmen will be paid by the Denver Equitable Building Company. The competitors, or their representatives, shall witness the tests, but shall not take any part in directing them. The architects shall make a record of each kind of test upon each competitor's arch, showing the time of beginning, duration, trials or repetitions, value, strength and capacity of each arch. The architects shall examine the arches as they are built, and the tiling used, to see that in all particulars the arches conform to this specification, and shall make record of weight per square foot of tiling used by each competitor. The Denver Equitable Building Company will provide, at their own expense, the foundations, walls and iron beams required for the tests, and each competitor shall, at his own expense, provide all the arches, sand and cement and the labor of putting the arches in place between the beams provided for them. The Denver Equitable Building Company will bear the expense of fuel, brick and timber for conducting the tests. Each given kind of test (except the test for shocks) shall be begun upon the arches of all competitors at the same time and the work upon each shall be proceeded with like speed and the architects shall give their personal attention to the arch of each competitor to see that all are tested alike.

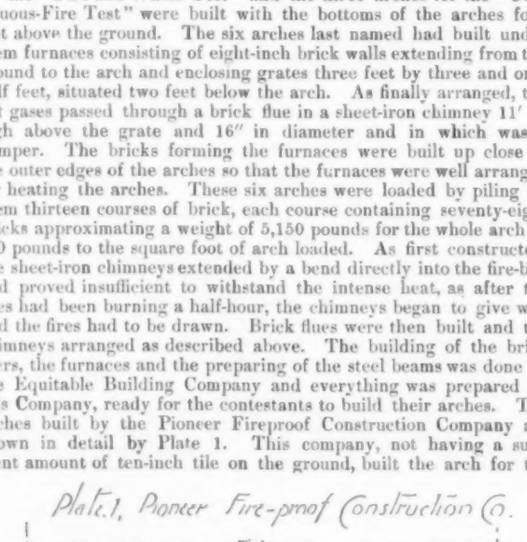
[1] Report of tests of fireproof arches made in Denver, Colorado, December 19, 20, 22 and 23, 1890, for the Denver Equitable Building Company, under the supervision of Messrs. Andrews, Jaques & Rantoul, architects, Boston Building, Denver, Colorado.

Tests C and D shall be proceeded with together, and while some men are detailed to see that the fires are kept burning brightly and alike under all of the arches, other men will proceed with Test A, and when it is finished Test B will be started. The arches shall be ready for the test and the test will be begun on Wednesday, December 3.

A copy of the above specifications was sent to each competitor on November 24, and each of the parties to the contest expressed their acceptance of the terms and conditions as therein set forth. Preparations for the building of the arches were thereupon immediately commenced.

DESCRIPTION OF THE ARCHES TESTED.

All of the arches tested were carried on ten-inch steel I-beams, weighing thirty-three pounds to the foot, and the span of each of the arches was five feet from centre to centre of I-beams. Each pair of I-beams was tied with two $\frac{7}{8}$″ bolts, the bolts being placed 5′ 4″ apart, the holes for the bolts being in the middle of the webs of the beams. The bottoms of the beams were tied together with two straps made of $\frac{1}{2}$″ x $\frac{1}{2}$″ iron, the ends being hooked around the lower flanges of the beams. These straps were directly under the bolts. The I-beams were supported upon four brick piers, the piers being twelve inches square, capped with bond-stones and resting upon footing-stones two and one-half feet square, the footing-stones resting on hard gravel. The three arches for the "Still Load Test" and the three arches for the "Shock Test" were built with the bottoms of the arches two feet above the ground. The three arches for the "Fire-and-Water Test" and the three arches for the "Continuous-Fire Test" were built with the bottoms of the arches four feet above the ground. The six arches last named had built under them furnaces consisting of eight-inch brick walls extending from the ground to the arch and enclosing grates three feet by three and one-half feet, situated two feet below the arch. As finally arranged, the hot gases passed through a brick flue in a sheet-iron chimney 11′ 6″ high above the grate and 16″ in diameter and in which was a damper. The bricks forming the furnaces were built up close to the outer edges of the arches so that the furnaces were well arranged for heating the arches. These six arches were loaded by piling on them thirteen courses of brick, each course containing seventy-eight bricks approximating a weight of 5,150 pounds for the whole arch or 300 pounds to the square foot of arch loaded. As first constructed, the sheet-iron chimneys extended by a bend directly into the fire-box and proved insufficient to withstand the intense heat, as after the fires had been burning a half-hour, the chimneys began to give way and the fires had to be drawn. Brick flues were then built and the chimneys arranged as described above. The building of the brick piers, the furnaces and the preparing of the steel beams was done by the Equitable Building Company and everything was prepared by this Company, ready for the contestants to build their arches. The arches built by the Pioneer Fireproof Construction Company are shown in detail by Plate 1. This company, not having a sufficient amount of ten-inch tile on the ground, built the arch for the



Continuous-Fire Test of nine-inch tile instead of ten-inch. This arch is shown in detail by Plate 2. The following general description of the arches built by the Pioneer Fireproof Construction Company for this test was furnished us by Mr. E. V. Johnson, the General Manager of that Company, previous to the test:

"The tile used in all these arches is composed of fire-clay material "manufactured on vertical steam presses. All arches were set in "place, upon portable centres, in Portland cement mortar composed "of two parts of sand with one part of cement.

"*Test A. Still-Load:* This arch was erected as per sketch and is marked "A-1, being completed in place December 15th at 5.30 P. M.

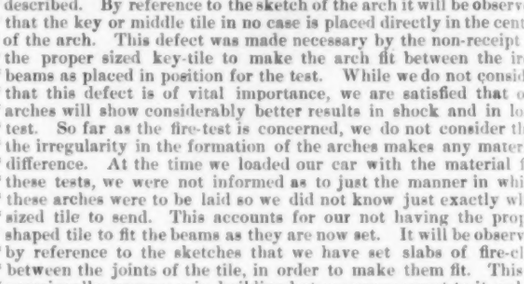
"*Test B. Shocks:* This arch was completed in place as per sketch at "4.00 P. M. December 15th and is marked B-4.

"*Test C. Fire-and-Water:* This arch was placed as per sketch and is "marked C-7. The tile for this arch was completed in place at 4.30 "P. M. December 16th and the brick weight loaded upon the same at "4.00 P. M. December 18th.

"*Test D. Continuous-Fire:* This arch was completed in place as per "sketch at 5 00 P. M. December 16th and is marked D-10, and the "brick weight placed upon the same at 3.00 P. M. December 18th.

"The same quality of mortar was used for all the arches as above "described. By reference to the sketch of the arch it will be observed "that the key or middle tile in no case is placed directly in the centre "of the arch. This defect was made necessary by the non-receipt of "the proper sized key-tile to make the arch fit between the iron "beams as placed in position for the test. While we do not consider "that this defect is of vital importance, we are satisfied that our "arches will show considerably better results in shock and in load "test. So far as the fire-test is concerned, we do not consider that "the irregularity in the formation of the arches makes any material "difference. At the time we loaded our car with the material for "these tests, we were not informed as to just the manner in which "these arches were to be laid so we did not know just exactly what "sized tile to send. This accounts for our not having the proper "shaped tile to fit the beams as they are now set. It will be observed "by reference to the sketches that we have set slabs of fire-clay "between the joints of the tile, in order to make them fit. This is "occasionally necessary in building but we never resort to it unless "obliged to do so. With the above exception, we are satisfied that "our arches are suitable in every respect for the tests and should "show the best possible results."

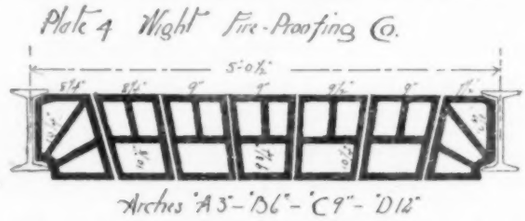
The arches built by Mr. Lee for the test were all made of porous terra-cotta and the general construction is shown in detail in Plate 3.



Mr. Lee furnished us, previous to the test, with the following description of his arches:

"I have built arches, four in number, between the beams provided "by you for the purpose. The arches are numbered respectively A-2, "B-5, C-8, D-11. They are all between I-beams five feet on "centres. The tiles are uniform in depth and thickness and thick-"ness of shell and web, being of the following dimensions: 5.75″ wide "by 10″ deep and 11.75″ in length through centres; thickness of shell "and web, 1″; weight of tiling to square foot of arch, 32 pounds; "three pieces of dry tile weigh 48.5 pounds; two pieces of tile make "a square foot of arch. The tiling used is porous terra-cotta and "the arches are built upon the end-method of construction. You "will observe in making calculations of carrying capacity per square "foot, or of running foot along the beam, that the thrust goes to the "beam in a straight line, whereas, in the side-method of construction "it goes off on an angle, or the floor would break in a zig-zag way."

The arches built by the Wight Fireproofing Company are shown in detail on Plate 4. The Wight Fireproofing Company, who were represented at the test by Mr. John Egan, did not furnish us with



any description of their arches, but a comparison of the plates will show that their arches are very similar to those built by the Pioneer Company, and the materials used by these two companies were almost identical. The general arrangement of the piers, beams and arches for the first two tests is shown by Plates 5, 6 and 7, [See Illustrations] Plate 5 being a photograph of the arch marked B-4, built by the Pioneer Company for the shock-test; Plate 6 being a photograph of the arch marked B-5, built by Mr. Lee for the shock-test; and Plate 7 being a photograph of the arch marked B-6, built by the Wight Company for the drop-test.

WEIGHTS OF THE ARCHES.

The 10″ arches built by the Pioneer Company were weighed, taking new tile that had never been used, with the result that the tiles themselves weighed 32 pounds per square foot. After the destruction of the arches, some of the tile that remained unbroken were weighed, together with the mortar in the joints, and the arch weighed, just as it was in place, 40 pounds to the square foot, including the mortar in the joints.

Mr. Lee's tile weighed, dry and without mortar, 34 pounds to the square foot, and some of his tile weighed, just as they came from the arch, 43¼ pounds per square foot, including the mortar in the joints and the water which had soaked into the tile.

The arches built by the Wight Company, new and dry, weighed 40⅞ pounds per square foot, and the tile of this Company weighed, just as it was in the arch in place, 43¾ pounds per square foot, including the mortar in the joints.

TEST A.

Still-load Test. — The arches being all prepared, it was agreed by all the parties that the tests should begin on Friday, December 19, 1890. The test for still-load was made on the arches marked A-1, A-2 and A-3. It was decided to apply the weight to the arch by piling up pig-iron on a space three feet square in the middle of the arch. A curbing, or box without either top or bottom, three feet square and four inches deep, was placed on the middle of each arch, and this box was filled-up with dry sand, and on the sand pig-iron was laid, and steadily and continuously applied without shocks until the arch broke. The weight of the box was 82 pounds, and the weight of the sand inside the box was 350 pounds, making a weight of 432 pounds on each arch besides the weight of the pig-iron.

Arch A-1. [Built by the Pioneer Fireproof Construction Company.] The pig-iron was placed on this arch, beginning about 9 o'clock Friday, December 19, so that this arch, when the load was applied to it, was not quite four days old. The pig-iron was weighed before placing on the arch, and it was carefully put on, so as to avoid shocking the arch. When a weight of 1,917 pounds of pig-iron had been placed on the arch the deflection was measured, and found to be .01 of a foot. Plate 8 is a photograph of this arch taken at this time. When a weight of 4,000 pounds had been placed on the arch, the deflection was found to be .012 of a foot. When a weight of 5,429 pounds of pig-iron had been placed on the arch, the arch broke suddenly and without warning, the final deflection not being measured. The arch broke from beam to beam, the whole arch coming out except the side of the abutment-pieces on the right-hand beam, which were still held to the beam by the mortar. The right-hand side seems to have given way first, apparently because of the failure of the right-hand abutment-pieces. The left-hand abutment-pieces dropped on the ground, whole and unbroken. The mortar seemed to be very good and quite hard for four-days-old mortar. The failure of the arch does not seem to have been caused in the slighest degree by the mortar, as the failure was beyond a doubt in the angles of the right-hand abutment-pieces. The appearance of this arch after its failure is shown by Plate 9, which is a photograph of the arch A-1, taken immediately after its collapse.

Arch A-2 [Built by Thomas A. Lee] was next tested for still-load. This arch was prepared just the same as the arch A-1, with the curb and sand, before the pig-iron was applied to it. This arch was, practically, of the same age as the arch A-1. When a weight of 2,050 pounds of pig-iron had been applied to the arch, the deflection was measured, and found to be .015 of a foot. A weight of 4,337 pounds produced a deflection of .016 of a foot; 5,965 pounds produced a deflection of .024 of a foot; 7,981 pounds was sustained for twenty-five minutes while a scaffolding was being erected around the arch; 8,997 pounds produced a deflection of .038 of a foot; 10,284 pounds produced a deflection of .04 of a foot; 11,532 pounds was carried for thirty minutes while scaffolding was being raised; 12,245 pounds caused a side deflection in the beams of about three-eighths of an inch in the length of the arch; 13,325 pounds caused a deflection of .055 of a foot. When 14,494 pounds had been applied, the photograph shown in Plate 10 was taken; 15,145 pounds produced a deflection of arch of .065 of a foot, the deflection of beams having increased to about one-half an inch. The loading of this arch stopped at this point, as it was feared that the pile of pig-iron would topple over and injure the workmen. This load of 15,145 pounds was left on the arch for two hours, when the load was removed, and the same block of wood which was used in the shock-test was dropped on this arch, A-2, from a height of ten feet above the arch. The arch broke at the third drop. The load 15,145 pounds opened the joint at the bottom of the key about one-quarter of an inch in the entire length of the arch, and opened the joint at the upper edge of the skew-backs at the sides near the top. When the load was removed, the beams resumed their straightness and the arch recovered from its deflection, and was apparently uninjured in any respect.

Arch A-3. [Built by the Wight Fireproofing Company.] The box and the sand were prepared on this arch just the same as for Arches A-1 and A-2. The age of the arch was, practically, the same as the others. 2,358 pounds of pig-iron produced no deflection; 3,073 pounds produced a deflection of .008 of a foot; 6,012 pounds produced a deflection of .017; 8,024 pounds produced a deflection of .018. When 8,574 pounds of pig-iron had been placed upon this arch, the arch gave way suddenly without warning, clearing out the whole arch from beam to beam, falling vertically without disturbing the pig-iron and apparently failing in the abutment-pieces, both abutments being sheared right off, the failure seeming to be in the angles of the abutment-pieces.

It was noticeable in this test that the arches made of dense fire-clay, that is to say, Arches A-1 and A-3, exhibited very little deflection before breaking, and that they broke suddenly and without warning, and that the Arch A-2, built of porous terra-cotta, and on the end-construction method exhibited very considerable deflection accompanied by considerable opening of joints. The joints in the middle of the arch opened at the bottom, and the joints at the skew-back of the arch opened at the top, indicating that the line of pressure in the arch made a curve, extending from the upper part of the key to the skew-back, thus showing that the weight acted on this arch in a curved line of pressure corresponding to the curved line of pressure in a segmental arch.

TEST B.

This was a test to show the comparative resistance of the different arches to shocks or blows. The arches tested were marked B-4, B-5 and B-6. The blows were given the arches by dropping upon them a piece of Oregon pine 12″ square and 4′ long. The weight of this stick was 134 pounds. At the request of Mr. Johnson, who represented the Pioneer Company, the specifications were altered for this test so that instead of starting with a drop from a distance of twelve feet, as specified, the first blow was delivered from a height of six feet, the height to be gradually increased. This change was agreed to by the other competitors. The tops of the arches were protected by covering them with one and one-half inches of loose, dry sand. The method of applying this test is shown by Plate 11. This photograph shows the 12″ x 12″ stick suspended over Arch B-5. To the left in the photograph is shown the condition of Arch B-4 after one blow from a height of six feet.

Arch B-4. [Built by the Pioneer Fireproofing Company for the dropping-test.] The 12″ x 12″ stick 4′ long, weighing 134 pounds, was dropped on this arch from a height of six feet, the stick being in the middle of the arch and at right angles to the beams. At the first blow the whole arch was shattered to pieces and utterly destroyed, not a particle of it remaining on the beams.

Arch B-5. [Built by T. A. Lee for the dropping-test.] The same stick was used here, and the first drop from a height of six feet was at right angles to the beams. The second drop, parallel to the beams, from a height of six feet, broke off the bottom web of one tile. Third drop, right angles to the beams, from a height of six feet. Fourth drop, parallel to the beams, from a height of six feet, broke off the bottoms of two tiles. Fifth drop, from a height of eight feet, at right angles to the beams, broke off part of rear rib. Sixth drop, from a height of eight feet, parallel to the beams, broke the key on the rear course, the entire tile falling out. Seventh drop, from a height of eight feet, at right angles to the beams, the whole rear course dropped out. Eighth drop, from a height of eight feet, parallel to the beams, front key-tile broke. Ninth drop, from a height of eight feet, at right angles to the beams, punched a hole clear through in the middle of the arch, three tiles out, — one a key-tile. The top of the arch was photographed after this blow, and is shown in Plate 12. Tenth drop, from a height of eight feet, parallel to the beams, four whole ribs gone entirely. Eleventh drop, from a height of eight feet, parallel to the beams, the arch dropped.

Arch B-6. [Built by the Wight Fireproofing Company for the dropping-test.] The same stick was used here and the first drop from a height of six feet, at right angles to the beams, caused the arch to fall. The skew-backs in this arch gave out, being broken to pieces. The intermediate and key tiles seemed to stand first rate; only one intermediate tile broke in the whole arch; it was a tile next to the abutment. All the rest of the intermediate and key tiles held their shape and simply dropped to the ground unbroken.

It was noticeable in this test that the Arches B-4 and B-6, built of dense tile with the side-method of construction, were shattered at the first blow, and that they went to pieces like a sheet of glass, indicating extreme brittleness in the material, and that the Arch B-5, built of porous terra-cotta with the end-method of construction, withstood blow after blow, indicating no brittleness, and showing that large pieces of the arch could be carried away and knocked out, and still leave considerable strength in the arch.

TESTS C & D.

The arches C-7, C-8 and C-9 were subjected to the fire-and-water test and the arches D-10, D-11 and D-12 were subjected to the continuous-fire test. For the supervision of these two tests, the architects employed Messrs. Thomas, Shepard & Searing, Mechanical and Electrical Engineers, of Denver, and instructed them to take entire charge and control of all the fire-tests. They were instructed to make a full report after the tests, giving a full description of just what was done. They were requested to keep the fires of equal intensity and to have them made as hot as possible with the furnaces as built, and they were directed to have all the fires of equal intensity so that all the competitors would be treated alike in this respect. They were also asked to keep a continual record of the temperatures in the different furnaces and of the amount of fuel burned under the different arches. These gentlemen conducted the fire-tests in a very

satisfactory and able manner and their report follows. The general arrangement of the six arches for the fire-test is shown by Plate 13.

Office of Thomas, Shepard & Searing, Mechanical and Electrical Engineers, 1622 Arapahoe St., Denver, Col.

The Denver Equitable Building Co., Denver, Col.: —

"*Gentlemen*, — We have the honor to submit to you a report of the tests of fireproof arches which you placed in our charge. The arches were situated near the corner of Fifteenth and Delganey Streets in this city, and our tests were made on December 19, 20, 22 and 23, 1890.

"The arches were six in number and were marked respectively C-7, C-8, C-9, D-10, D-11 and D-12. Arches C-7, C-8 and C-9 were submitted to alternate applications of fire and water, while D-10, D-11 and D-12 were subjected to a continuous fire. The construction and loading of the arches was completed prior to our assuming charge, and therefore our figures are only approximate of dimension and weight. The general characteristics of the settings of the arches were the same for all.

"The arches were five feet in span and four feet long, built between two ten-inch I-beams, separated and held together by bolts. The I-beams were supported about four feet from the ground by brick piers with sandstone caps. Under the arch was built a furnace consisting of eight-inch brick walls extending from the ground to the arch and enclosing a grate three feet by three and one-half feet in dimension, situated about two feet below the arch. The arrangement of the arches and furnaces can best be seen from Plate 13. As finally arranged, the hot gases passed through a brick flue into a sheet-iron chimney, eleven feet six inches high above the grate and sixteen inches in diameter, and in which was a damper. The brickwork forming the furnaces was built up close to the outer edges of the arches, so the furnaces were well arranged for heating the arches. The arches were loaded by piling on them thirteen courses of brick, each course containing seventy-eight bricks, approximating a weight of 5,150 pounds for the whole arch or 300 pounds to the square foot of arch loaded. This load, being bonded together in construction, was not well arranged to give a uniform load over the whole arch, since as soon as any settling of the arch occurred, the bricks formed an arch over the centre, with the outer bricks for supports, and the centre of the tile arch was really relieved of most of its load. This is well seen in Plate 14, which shows the mass of brick over arch C-7, supported by the skew-backs of the arch. As first constructed, the sheet-iron chimneys extended by a bend directly into the fire-box, and proved insufficient to withstand the intense heat, as, after fires had been burning a half hour, they began to give way and the fires had to be drawn. A brick flue was then built to each furnace and the straight parts of the iron chimneys were placed over these, making a substantial chimney which gave no trouble.

"The fuel furnished us was Rouse coal and pea No. 5 anthracite mixed, both of very good quality. A quantity of cement barrels was used for kindling material. The coal burned under each arch was weighed, and at the end of the test the ash was weighed, giving the amount of combustible used in each furnace.

"The stream of water furnished us was entirely inadequate to make the fire-and-water test a severe one, the nozzle used being but one-quarter inch in diameter and the force of the stream slight.

"On the night previous to the commencement of these tests, small wood fires were built in each furnace for the purpose of drying out the mortar and brickwork. The amount of wood burned during the two hours of this drying process was the same for each furnace, and great care was exercised to prevent a fire which would in any way be liable to damage the arches. To effect a slow burning, the dampers in the pipes were closed and the ash-pit doors sealed by means of a board, and the cracks filled with dirt.

Temperature Measurements.

"The temperature in the furnaces was obtained from the known relation existing between the electrical resistance of platinum and its temperature, as expressed by the formula,

$$Rt = Ro\{1 + xt\}$$

"In the practice of this method it was necessary only to properly support a platinum wire inside the furnace in such a position as would give the mean temperature of the fire to which the arch was subjected, and to connect this wire electrically to such instruments as would be necessary in measuring its electrical resistance.

"In the Formula $Rt = Ro\{1 + xt\}$

Rt = resistance at unknown temperature.
Ro = resistance at 32° F.,
t = the unknown temperature, and
x = the temperature coefficient of platinum,

was found for these particular wires by a series of laboratory experiments.

"The method of supporting the wires in the furnaces is shown in Figure 2, plate 16. A ledge of tiling was built on the side of each furnace as shown in the plan of furnaces, Figure 1, plate 16, about three inches below the bottom of the arch and on this ledge was placed the platinum wire, connection being made with the wire to the outside by means of a piece of wrought-iron let-into the side of the furnace, as shown at 7–7 Figure 2, plate 16.

"Holes were bored through the ledge at intervals of four inches to allow a free circulation of the flames. Each platinum wire had its own circuit of heavy copper wire, which, by means of the plug switch, 5, could be connected to the Wheatstone bridge and galvanometer 6,

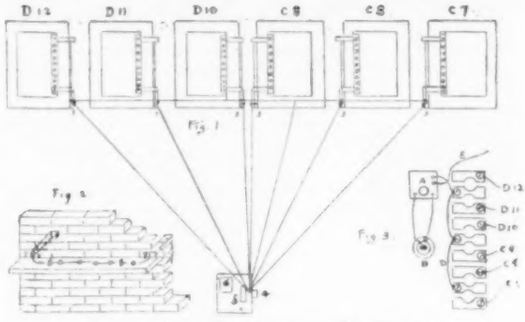


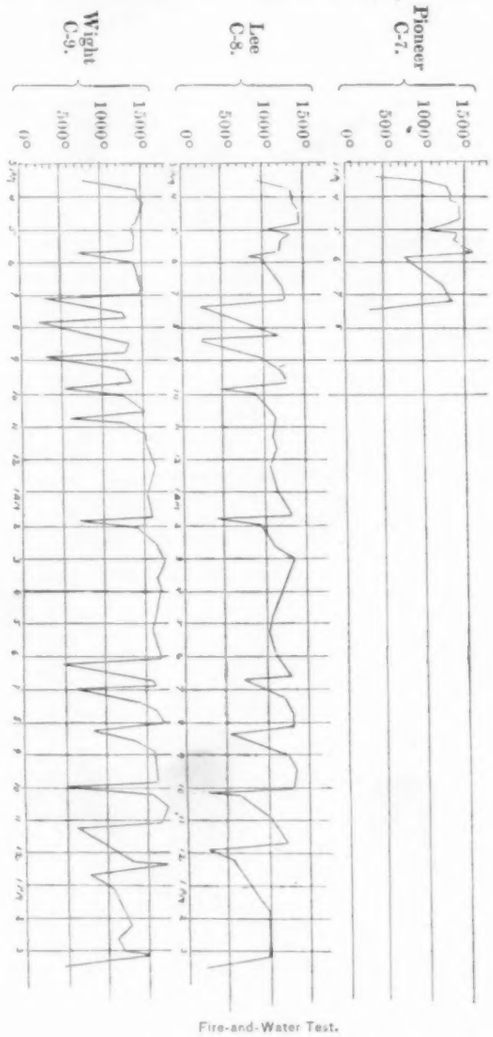
Plate 16. Apparatus for Temperature Measurements.

Figure 1, plate 16, and the resistance of the platinum wire measured, and its temperature, which was the temperature of the furnace, calculated.

"A continuous record is given in the following curve diagram. Divisions along the horizontal lines represent hours; divisions along the vertical lines represent temperature.

"The wire in D-11 broke at at 4.40 P. M., Friday, which prevented measurements of that furnace being taken until noon of the following day when a new wire was inserted.

"These curves represent, grapically, the conditions of each furnace during the entire test. An examination of the curves D-10, D-11, D-12 shows that they were kept at as practically a uniform

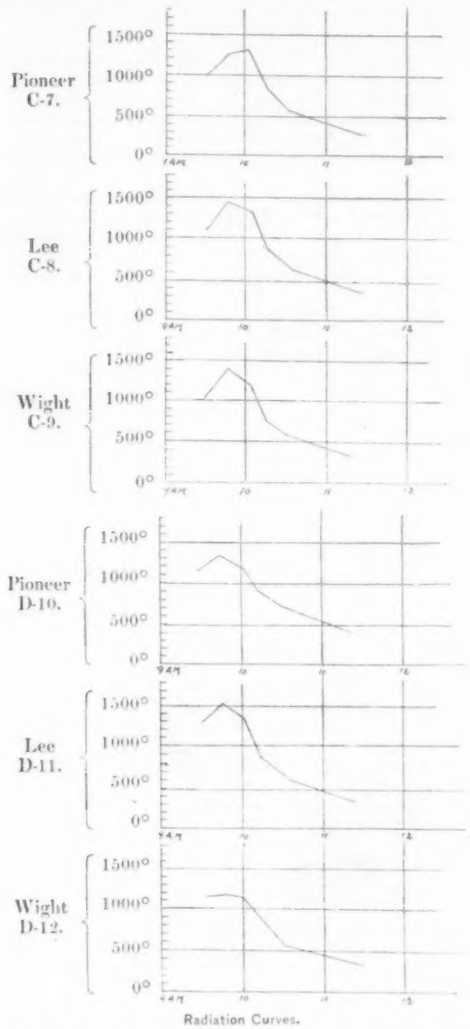


Fire-and-Water Test.

temperature as was possible to keep with several shifts of firemen. The gradual falling-off of temperature at the end of the run was probably due to the loosening of the brickwork constituting the flues and walls of the furnaces, which would materially affect the

draught, besides allow cold air to enter which would lower the temperature.

"The great irregularities of curves C-7, C-8, C-9, are due to the lowering of temperature caused by the water thrown on the arches in the water-test. These curves have several points of interest, the



Radiation Curves.

first one being at about 5 P. M., Friday, where a marked depression occurs in each of the three curves. This is the result of the first water-test made with a three-sixteenth stream, of two minutes' duration. The very small effect of this small stream upon the temperature is very well shown by the slight depression made in the curve at that point, while the greater effect of the larger one-fourth inch stream of four minutes is shown in the greater falls in the curve which occur later.

"The temperature record for the firing on the morning of Friday is given in the six smaller curve diagrams. The gradual falling-off of the curves is due to the cooling resulting from the drawing of the fires.

"The following is a history of the test:

"At 9.30 A. M., Friday, we started the fires under the arches. After a half-hour's run, the sheet-iron stacks began to give way from the intense heat. The fires were drawn, and masons set to work to build brick flues. At 3 P. M. their work was finished, and we started the test at once. We will describe the arches separately.

"*C*-7. — [Built by the Pioneer Co. for the Fire-and-Water Test.]

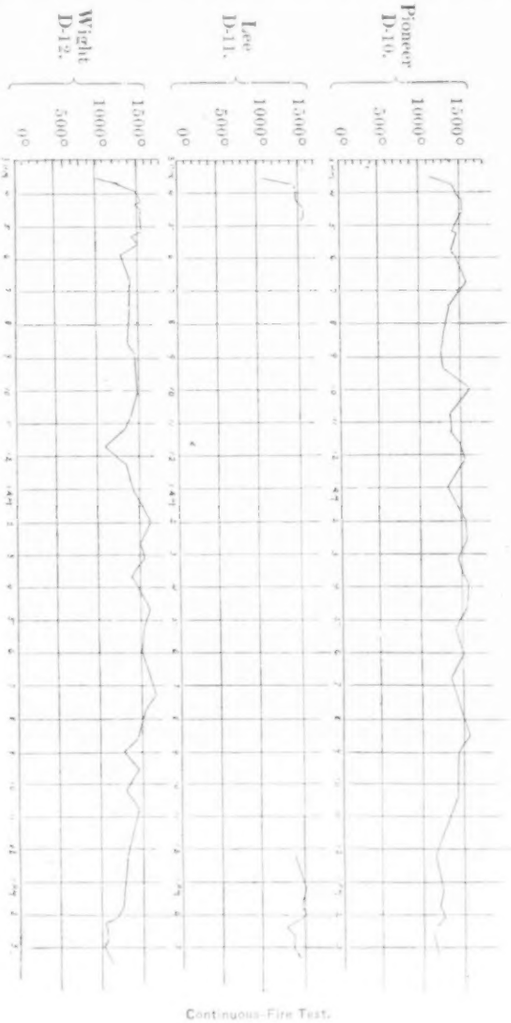
"After the fires first built were drawn, pieces of the lower web fell from several tiles, not all at once, but at intervals. This was probably due to the shock of the impact-tests, which were carried on beside this arch, though the shock felt by the arch must have been very slight after transmission through a number of feet of earth. Started fires of kindlings at 3.25 P. M., Friday, and started use of Rouse coal. At 3.50 there was a very hot coal-fire under the arch. At 5 the temperature of the arch was 1300°, and the first stream of water was applied for two minutes. The bottom web fell from two tiles. The fire was at once started again, and at 5.47 the temperature had risen to 1650°, and a second stream applied, this time for four minutes, with the result of several more pieces of the bottom web falling and the practical destruction of one whole tile.

"A considerable time was required to again raise the temperature of the arch to a desirable point. This, we think, was due to leakage of air through the partly-destroyed arch. However, at 7.21 the temperature was 1350°, and the third and last water-test was applied, and destroyed the arch so completely that no further test was deemed necessary. The bricks over the centre of the arch fell about two inches, but the mass of the load formed an arch resting on the skew-backs, and became self-supporting, as shown in Plate 14. One entire row of tile was destroyed, and the majority of the remainder were broken and partially fallen, so the arch was considered a ruin and abandoned. After the front of the brick setting was removed, it was found that the arch, in falling, had lodged on the setting, and was thus prevented from falling completely. This can be seen from Plate 14. The final condition of the arch, as seen after part of the setting was removed, was as follows:

"The skew-backs were intact on both sides; the rib of the intermediate next to skew-backs remained in each tile on the skew-back, showing that the mortar had not given way. Both intermediates to left of the key in the two centre courses were wholly destroyed, as was the intermediate next to the skew-back in the front course. The greater part of the intermediates next to the skew-backs for three courses on the right of the key had fallen, and the front key tile was partially destroyed.

"*C*-8. [Built by Thomas A. Lee for the Fire-and-Water Test.]

"Fire of kindlings and coal was started at 3.25, and an excellent fire was burning at 3.50. About 4, the lower web of a tile next to the key in the course next the rear fell out without apparent cause. The arch was at a temperature of 1450° at 4.57, when the first stream of water was applied for two minutes. No change in the arch was apparent. The fire was started again at once, and at 5.42, the temperature being 1230°, water was again applied, this time for four minutes. No tile fell. This alternation of fire and water was continued, and the water was applied for four minutes at each of the following times: 7.20, 8.17, 9.49 P. M., 1.49, 6.50, 8.15, 10.03, 11.53 A. M., 2.30 P. M. — eleven times in all. The temperature was generally above 1200°. At 9.49 P. M., Friday, a piece of the web of the



Continuous-Fire Test.

key of the fourth course of tile came down, but, with the exception of this piece and the one previously mentioned, the arch remained intact to the end. It will be noticed that the temperature curve of C-8 differs from that of the other arches in showing that a longer

time was required to raise the arch to a high temperature after each wetting. On this account, we were unable to apply the water-test as often as to C-9. We presume this was due to the large amount of water that this tile could absorb, which had to be evaporated before the tile could become hot. This is proved by experiments made by us, which give the following moisture-absorbing powers for the material for the various arches in percentages of weight of water take-up.

C-7, Pioneer..... 5.7 per cent.
C-8, Lee..... 32.5 " "
C-9, Wight..... 5.5 " "

"At the end of the test, about twenty-three hours after the start, the arch was practically whole. The only tiles broken were the key and intermediate next to the key on the left of the course next to the rear. Plate 15 is a view of the lower side of the arch after the test. The front had been removed to allow light to enter, but the sides were still intact.

C-9. [Built by the Wight Co. for the Fire-and-Water Test.] Fire was started under this arch at 3.25 P. M., and the tile was at a temperature of 1450° at 4.53. A stream of water was then applied for two minutes, without result, which was also the case when the water was applied for the second time at 5.38, the temperature being the same as before. The third trial at 7.00 brought down the bottom webs of the intermediate tiles on both sides of the keys. The water was applied for four minutes in this and succeeding trials. At 7.49 the temperature, when the water was applied, was 1320°, and the bottom webs of two more tiles on left of key, and the bottom web of an intermediate tile on each side next to the skew-backs fell. After the water was applied at 8.50 every tile was broken in its bottom web, and a sagging of the load of brick was noticed. The upper web of the tile seemed to be solid. At 9.43, 10.34 P. M., 1.49, 6.15, 7.00, 8.15, 9.57, 11.05 A. M., 12.32 and 2.30 P. M. (fourteen times in all), we continued to apply the stream with the same result of knocking down a few pieces of the tile each time. No particular change was seen in the load.

"When the test was stopped, the lower web was completely gone from every tile and much of the vertical and intermediate ribs. The upper web seemed to be completely whole. Plate 17 is a view of the arch, looking up from the left side. The sides and front had been partly removed. It will be seen that nothing remained of the lower web, and little of the vertical ribs.

"The total combustible burned under these arches was as follows:

C-7..... 552 lbs.
C-8..... 1,466 "
C-9..... 1,538 "

Continuous-fire test.

"Under D-10, D-11 and D-12 the fires were started at 3.25 P. M., and were first fed with Rouse coal to the extent of 300 lbs. each, after which anthracite was used to the end of the test. The fires were forced as much as possible, and the arches were white hot for nearly the whole time. The amount of coal burned in D-11 was less than in the others, but it does not necessarily follow that the heat was any less. In fact, the arch presented a much hotter appearance than D-10 or D-12, and the fire was forced as much as possible. The position of the dampers was not easily regulated, and while the more open the damper, the greater the amount of coal burned, there was also a much greater loss of heat through the chimney. We consider that D-11 was tested as severely as the other two. Such temperature measurements as we were able to take showed as high temperature as were reached in D-10 or D-12.

"All the arches lasted through the test, which ended at 3.25, Saturday, making the total length of the test twenty-four hours. No tile fell from either of them, and until the furnace settings were removed, they were apparently in as good order as when first fired, though the bottom webs of each showed numerous cracks and slightly open joints. Plate 18 shows the condition of Arch D-10 on Monday morning before its setting was completely removed. It can be seen that the webs had fallen from two tiles. The view was taken from the right side of the arch. Plate 19 is a similar view of D-11 from the front. Plate 20 is a view from the front of D-12 before the furnace setting was wholly removed.

"The total combustible burned under the arches submitted to the continuous-fire test was:

D-10..... 1,916 lbs ..... 80 lbs. per hour.
D-11..... 1,529 " ..... 64 " " "
D-12..... 1,942 " ..... 81 " " "

"The loads of brick were left on the arches until Monday morning, December 22, when we proceeded to remove the walls of the furnace-settings under the I-beams, care being taken not to jar the arches while the brick was being removed.

"*C-7.* This was a wreck, but it was found that the intermediate tile in the front course to the left of the key in falling, had lodged on the furnace-setting and supported the rest of the arch and the few brick from the load that had fallen with the arch, and when the bricks of the setting were removed, the whole arch fell. Plate 21 is a view at this time.

C-8. The whole setting was removed without any deflection of the arch, which remained entirely supported by the I-beams, as originally constructed. The bricks of the load were removed from the sides and piled in the centre to concentrate the load, but without effect on the arch. This is shown by Plate 22.

"*C-9.* This whole arch was seen to be cracked in all directions before the setting was removed, and when this was done, it fell at once, as seen in Plate 23.

"*D-10.* After taking out the front and side walls, the arch was seen to be cracked from top to bottom in the ribs, the bottom webs had fallen from two tiles and the right skew-back front gave way, the arch settled but held until the back was removed, when it fell entirely. A view was then taken and is produced in Plate 24.

"*D-11.* The entire setting was removed without any change in the arch, and the removal of the outside bricks of its load to the centre had no effect. The right front skew-back was cracked in the lower web near the I-beam. Plate 25 shows this arch very clearly.

"*D-12.* One bottom web fell out while the setting of D-11 was being removed, and the whole arch fell when its setting was taken down.

"Arches C-7, C-9, D-10, D-12 would doubtless have fallen during the test, had the furnace-settings been differently arranged. The interior of the setting was smaller than the arch itself, so the outer edges of the arches rested on the settings and so received support.

"At 3.45 P. M., Monday, arch C-8 was still intact with its load. The bricks were then removed from it, and, having covered it with a layer of sand, we subjected it to a series of blows from the timber used in the previous impact-tests. The first blow was at right angles to the I-beams and the drop was six feet. Several loose pieces from the lower webs of centre tiles fell, which we consider to be the extent of the tile affected by the heat. The second, third and fourth blows were alternately parallel and at right angles to the I-beams and the drop was six feet. A few loose pieces of small size fell each time. The height of drop was increased to eight feet and the blows were alternated in direction, as before. In the fifth, sixth and seventh blows, the lower middle webs began to be fractured and a hole was broken through at the back in the centre of the arch. The ninth blow, across the arch, knocked out a hole two by three feet from the centre of the arch, but two more blows along the arch were required to completely demolish it, but the arch was still solid, as seen by Plate 26, after the fourth blow.

"The load on D-11 was left on it until 5.00 P. M., Monday, when the bricks were taken from each side and piled on the centre, so as to concentrate the load on the three centre tiles, and was left in this condition until 9 A. M., Tuesday. It was then noticed that the joints along the middle of the bottom were slightly open, and the I-beams were slightly sprung apart. Bricks were then piled upon the load until there was a weight of 12,500 pounds resting on an area of the centre of the arch, measuring 36 inches across the arch by 50 inches along it. Plates 27 and 28 represents this load.

"It was deemed unsafe to the men to build the load higher, since it was very unstable and likely to topple over. The arch, however, was apparently sound, and its deflection did not exceed five-eighths of an inch.

"The following data, obtained from experiments made by us upon samples of the different tiling entering into the construction of these arches, have their value:

Specific Gravity.

C-7 equals 2.40
C-8 " 1.99
C-9 " 2.44

Specific Heat

or amount of heat required to raise equal weights through same range of temperature:

C-7 equals 0.19
C-8 " 0.18
C-9 " 0.20

or what is more desirable in this case, the

Specific Heat per Unit Volume.

C-7 equals 0.456
C-8 " 0.358
C-9 " 0.488

Respectfully submitted,
(*Signed*), Thomas, Shepard & Searing."

Denver, Colo., December 31, 1890.

The progress of the tests on the arches, for fire and water and the tests for continuous fire developed the fact that the furnaces had been built a little too small so that they projected-in under the arches two or three inches all around, and so helped to carry the arches independently of the I-beams. It was also shown that brick was a very poor material to use for weighting the arches as it was necessary to bond the brick in piling them up, in order to make the load stable, and this bonding of the brick caused an arch to be formed, extending from one abutment of the arch to the other, when a slight settlement of the middle of the arch took place, thus relieving the arches of most of their load in the middle and concentrating it at the beams. In the fire-and-water test, it was noticeable that the two arches made of dense fire-clay dropped large pieces of the arch at almost every application of the water while the arches built of porous terra-cotta were comparatively uninjured at the close of the test. That the dense fire-clay arches were practically ruined by both fire-and-water tests and continuous-fire test is shown by the fact that all four dense-tile arches which had been subjected to heat fell just as soon as the supporting brickwork of the furnaces was removed from under them.

That the porous terra-cotta arches, built as they were here with so-called end-construction, were practically uninjured by the fire-test is shown by the fact that after the furnaces were entirely removed these two arches not only supported their original load of brickwork but one arch was loaded with additional brickwork until a weight of 12,500 pounds had been placed upon it and the other arch was subjected to a dropping-test and required eleven blows of the piece of timber weighing 134 pounds to break it down. As far as the material goes the effect of the heat seems to have been worse on the porous terra-cotta than on the dense fire-clay. The porous terra-cotta when subjected to the direct action of the heat, was badly disintegrated, so badly that it could easily be crumbled in the fingers, but this disintegration extended up from the bottom only about one inch; above that the material was perfect and although the bottom webs were disintegrated, the arches still stood in place and the disintegration of the bottom does not seem to have affected the strength of the arch to any noticeable degree. The material itself in the dense fire-clay arches was uninjured in any way by either fire-test and at the close of the tests was just as sound as at the beginning. But although the material was apparently uninjured, the arch as a whole was practically destroyed, for the reason that large pieces broke off from the body of the arch, and the fractures, in almost every case, took place at the angles in the tiles. The mortar in all the arches seems to have stood better than the arches themselves, as was especially shown in arch C-7, where the side rib of the intermediate was still held to the abutment-piece by the mortar after all the rest of the intermediate tile had fallen.

Following is a summary of the tests:

TEST A. — STILL-LOAD TEST.

Arch A-1. [Built by the Pioneer Fireproof Construction Company, of dense fire-clay: common method of construction.] Broke at 5,429 pounds of pig-iron.

Arch A-2. [Built by Thomas A. Lee, of porous terra-cotta and with the end-method of construction.] Carried 15,145 pounds of pig-iron for two hours without breaking. Afterwards, broken by three blows from a ram weighing 134 pounds and dropped from a height of ten feet.

Arch A-3. [Built by Wight Fireproofing Company, of dense fire-clay: common method of construction.] Broke at 8,574 pounds of pig-iron.

TEST B. — DROPPING-TEST.

Arch B-4. [Built by Pioneer Company, of dense fire-clay: common method of construction.] Broke at the first blow from a ram weighing 134 pounds, dropped from a height of six feet.

Arch B-5. [Built by Thomas A. Lee, of porous terra-cotta: end-method of construction.] Same ram dropped on it from a height of six feet four times; same ram dropped on it from a height of eight feet seven times. Arch went down at the eleventh blow.

Arch B-6. [Built by the Wight Fireproofing Company, of dense fire-clay: common method of construction.] Broke at the first blow from the same ram, dropped from a height of six feet.

TEST C. — FIRE-AND-WATER TEST.

Arch C-7. [Built by Pioneer Company, of dense fire-clay: common method of construction.] Three applications of the water destroyed this arch. When the brick furnace was removed from under it, this arch collapsed.

Arch C-8. [Built by Thomas A. Lee, of porous terra-cotta, on the end-method of construction.] This arch was given eleven applications of the water, and at the end of twenty-three hours was practically uninjured, as it required eleven blows from the ram used in the dropping-test to break the arch down after the furnace was removed from under it.

Arch C-9. [Built by Wight Company, of dense fire-clay: common method of construction.] This arch was given fourteen applications of the water, and after twenty-three hours very little of the arch was left, and it collapsed as soon as the brick furnace was removed from under it.

TEST D. — CONTINUOUS-FIRE.

Arch D-10. [Built by Pioneer Company, 9″ deep, of dense fire-clay: common method of construction.] This arch, after having a continuous fire under it for twenty-four hours, was destroyed, as it collapsed as soon as the brick furnace was removed from under it.

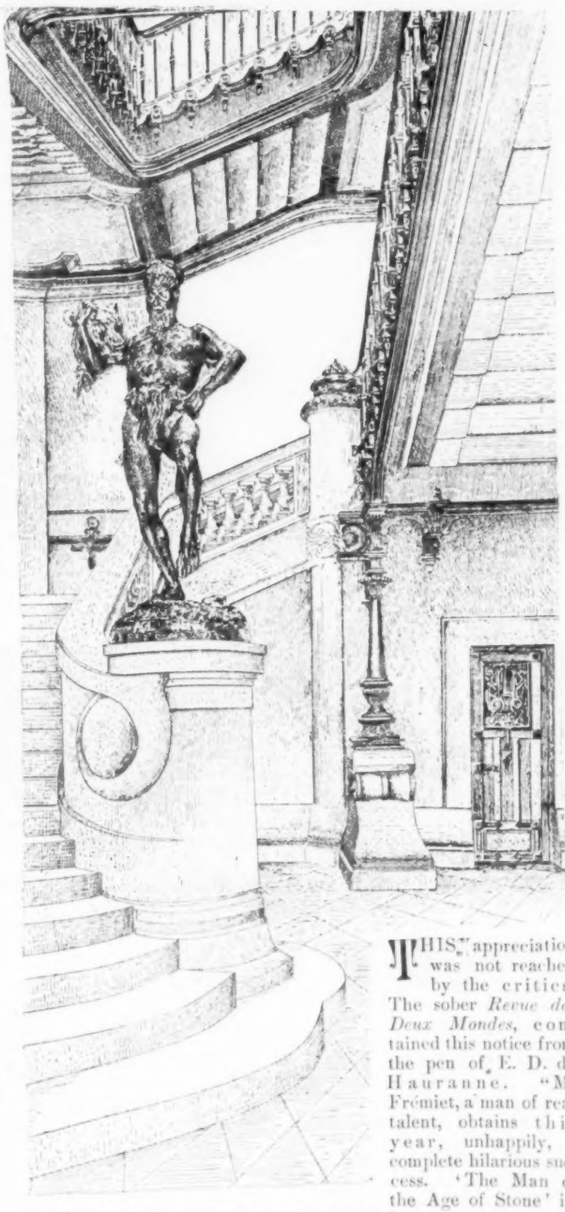
Arch D-11. [Built by Thomas A. Lee, of porous terra-cotta: end-method of construction.] This arch, after having a continuous fire under it for twenty-four hours, was practically uninjured, as, after its furnace was removed from under it, it supported a weight of bricks of 12,500 pounds on a space three feet wide in the middle of the arch.

Arch D-12. [Built by Wight Company, of dense fire-clay: common method of construction.] This arch, after having fire under it for twenty-four hours, was unable to carry its load of 300 pounds per square foot, and collapsed as soon as the brick setting was removed from under it.

Having personally witnessed the above tests, we certify to the correctness of the foregoing report.

ANDREWS, JAQUES & RANTOUL, *Architects.*

EMMANUEL FRÉMIET.[1] — V.



Man of the Age of Stone in the Museum of the Jardin des Plantes. From *La Construction Moderne.*

THIS appreciation was not reached by the critics. The sober *Revue des Deux Mondes*, contained this notice from the pen of E. D. de Hauranne. "M. Frémiet, a man of real talent, obtains this year, unhappily, a complete hilarious success. 'The Man of the Age of Stone' is, however, a serious work. Our primitive ancestor is perhaps too nearly allied to the brute; but one cannot expect in him a spiritual physiognomy or a distinguished air. The whole body is modelled with a rare and brutal vigor; he dances, or rather he jumps like a savage animal, and does not displease those who are disposed to laugh: the movement of this dance is free, natural, and full of go. The head expresses no refined sentiment, outside of a jovial beastiality; it utters loud cries of joy that probably have as little melody as the barkings of a dog. What more can be asked? It is not the fault of the fossil man if his choregraphic gambols recall certain quadrilles of our public balls. That simply proves that we resemble our ancestors, and that excess of civilization brings us back to the graces of barbarism."

For the plaster model of this statue the sculptor received one thousand dollars.

While engaged in the execution of "The Age of Stone," Frémiet made an enormous bust which he called "War," exposing it at the same *Salon*. It was a kind of protest against the possible imputation that, because he was producing so many warriors, he was necessarily in favor of war and liked its whole scheme. He really hated war and everything connected with it, and he was led to show in the bust that, if he made soldiers, it was to gain his bread and not to barter his feelings or sell his independence. Besides, he indulged in the fancy that a hideous representation of the subject might emphasize to his countrymen the opposition to the slavery they were enduring

[1] Continued from No. 794, page 174.

in supporting the terrible burden of war preparation and action. The model employed for this bust was a beastly looking woman that he found in the neighborhood of Prunay. He made her horrid mouth wide open, and for ear-rings he hung a string of corpses mixed with fragments of partially destroyed works of art. On her breasts he placed great shields, upon one of which was a figure of war with a scythe in the act of mowing down little helpless children, and on the other, a mother kissing and fondling her infants.

When this ghastly object arrived at the *Salon* the jury would not place it among the other sculpture, but set it in company with the poorer exhibits, near the door, and where every one on entering might be shocked at its repulsive aspect. A concentrated expression of any subject of repellant elements, no matter how ably it may be presented, has always received from the general observer most emphatic disapproval, and this bust, in spite of its surprising composition and distinguished style, was no exception. M. Hauranne thus discoursed about it — "As for the 'War,' by the author of the 'Age of Stone,' it can be abandoned without remorse or ridicule. This colossal bust is of monstrous insignificance. It can be said to resemble a gigantic exclamation point, that thoroughly indicates the intention of saying something striking, but which at the same time is not the equivalent of a thought. The fierce goddess has such a beastly air, that it is difficult to believe her to be so vicious. The round open mouth bellows and lows like the bull of Phalaris. Her visage is framed with ear-rings in the shape of corpses which hang like a string of gudgeons.

"She carries on her diadem a gigantic bat with outstretched wings. A row of braids symmetrically curled surrounds the head, and she is, at least, entitled to this justice, that she has put her hair in order before presenting herself to the public.

"But let us hurry off to the Florentine sculpture. . . ."

The early history of this justly famous equestrian statue is a short and humble one. The war had affected the sculptor deeply, and he wished to do something to give expression to what he felt, and as there was no subject in his country's history which appealed to him so forcibly as the rich and tragic life of the peasant girl of Domrémy, he resolved to commemorate both by making an equestrian statue of the patriot martyr; representing her in all the simple pride of her pure maidenhood as she held the banner of her beloved France toward heaven, as the source from whence she believed the divine mandate had come that was to enable her to free her country from the invaders.

Young Faun and Bears (Marble) in the Luxembourg Gallery. — Frémiet, Sculptor.

With the sketch under his arm, and accompanied by his long time and faithful friend Gérome, to present him, he went to see Jules Simon, then Minister of Fine Arts. The statesman received them in the most gracious and friendly manner, was delighted with the model, and at once gave Frémiet an order for the statue as it now stands, with the condition that the price should be as low as he could possibly make it, for the State finances would not warrant a large expenditure.

It was made in the sculptor's studio, at Prunay, cast in bronze by Thiébaut, and erected upon its pedestal without ceremony, in the summer of 1873, upon, it is believed, the very spot where Joan entered the city, over the ramparts, sword in hand, in the fruitless attempt to drive out the English, — the place now called the Place des Pyramides. Its actual cost to the State, modelling, casting in bronze, and erection upon its pedestal, was $4,800. Of this sum, Frémiet received for the work of making the model, $1,300. Its appearance was a universal surprise, as no one save those immediately interested, and a few of the sculptor's friends, had the least idea that it was in contemplation.

It met with, what may truly be termed, the most general and active condemnation that ever greeted a work of art, including that of the large majority of artists. No real work of art has ever been set up in Paris, not even Rude's great bas-relief, nor his Marshal Ney, nor Carpeaux's group on the new Opéra, that was not received with lively disapprobation, but clerical opprobrium and professional curses rained upon this bronze semblance of the Maid of Orleans as they had never poured before upon her life and memory. So bitter was the feeling, especially among artists, that it was proposed to petition the Common Council to remove it. "It was a disgrace to the nation, to the city, to art, and to every one connected with its existence." Besides, "there had been no public competition for its execution," — that could not be forgiven.

No merit whatever was conceded to it by the many. But it had its friends, though they were few. Gérome and others had seen it in the sculptor's studio, and had given it unqualified approval. Then there were a small number of artists, of no influence, though always quick to see, who spoke warmly in its favor.

Little did the sculptor think when he left the office of the Minister of Fine Arts, that his work would receive such fearful condemnation on its appearance, or that in later years it would be the one around which his future fame would centre.

When I asked Frémiet if he had had the slightest dream that the Joan of Arc would become so renowned, he said: "No, though I thought some would like it; but I was in despair when the public so generally cursed it. When it began to be appreciated, and the small copies commenced to sell, I felt comforted."

Of the many criticisms of this statue there are two which are entitled to consideration. One is, that it was "too frivolous: a light-hearted, thoughtless girl, perched upon a big horse, out of all proportion to its rider, dancing along as though they were entering a circus ring; bearing no relation, even by suggestion to the gravity, earnestness, and overwhelming solemnity of any phase of the martyr's life. She is neither serious, modest, nor saintly, nor anything that would characterize an inspired person.

"It has none of the imposing gravity of Houdon's 'St. Bruno,' or the touching, human, all-absorbing seriousness of Millet's unknown peasant women."

The other is, that it is "not decorative in a large sense; that is, that the proportion between the horse and rider is not such as to enable it to hold its own as a sculpturesque effect in a large place where it would have the sky as a background all round it, though well enough in a little square of six rods on each side, enclosed by high buildings."

These criticisms are entitled to consideration, because they are the expressed impressions of people of positive temperaments, whose opinions are worthy of respect. While criticisms of such people are personal matters, — outside of argument, like all art criticism, — and go to make up the volume of what is said of the statue, yet it is known that they have been considerably modified, as the result of time and long observation, and that to-day, many who thus criticised are now warm admirers of the work.

Another class of people give a different interpretation to the character of Joan as she appears in Frémiet's statue. They say that the subject treated as an equestrian statue, which is emphatically one of action, calls for a youthful earnestness expressed in the simplest manner; that her sole object is to carry the white flag of her country as high in air as she can, that being the token of her mission, and that her horse, sympathizing with its precious burden, trots along in happy accord. They point to this relationship of horse and rider as a master example of such expression. As for the large size of the horse; they regard this fact as of supreme import, of absolute artistic necessity, as giving the impression of power to carry its rider through all impediments, as well as presenting the invaluable opposition and harmony of a union of spiritual and physical force. They interpret Joan, not as a personage fit to lead a funeral procession, or as one weighed down by years of sad and solemn human experience and suffering, nor as one marching at the head of vanquished combatants, but as an earnest, innocent, simple girl, actuated by an absorbing idea, who rides a horse that is able to and is proud to carry his charge in any action.

The second criticism includes the asserted fault of disproportion between horse and rider contained in the first, though in the second it is simply one of mass. It is one that has been made against several of the sculptor's equestrian statues, and is based, not only upon the prevailing conventional custom in the composition of such works, wherein the rider is made larger in proportion to the horse than appears in nature, but upon professional jealousy and temperamental dislike of the sculptor.

It ought to be added that this question of decorative effect is a very difficult one for most people to decide, and that there were fair-minded artists who were disposed to favor this criticism. Nor could it be definitely settled at first, for it was impossible to see the statue at any distance, except from the rear, until the street in front of the Tuileries was cut through, and that in the rear of the statue lengthened. Now, the group can be seen from front or rear for many hundred yards with its mass against the sky, and the general opinion is that it "carries" perfectly as a decorative effect.

Asking Frémiet if he knew where his work was to be placed, while he was making it, he answered — "Yes, but I did not tell any one. The statue was not made for any place, but for itself."

Why was it so generally disliked when first erected? "Because

Joan was not dressed after the manner of the theatres. Then it shocked people especially because it was not made after the conventional way of subordinating the horse's size to the importance of the

Joan of Arc, Place des Pyramides, Paris. Fremiet, Sculptor.

rider. I made it, as I do all my work, as my master taught me, keeping the exact proportion of nature between the rider and the horse. It also shocked people because they thought it not serious enough. I follow nature implicitly in all my work."

The ardent admirers of the statue, and among them are many of the most distinguished artists and amateurs, express themselves like this. "Frémiet, in the Joan of Arc, has followed nature and the best historical authority. In doing so he has produced a masterpiece. It is too much to expect that such a work, so novel, so replete with the most profound understanding of what makes an equestrian statue, and so audaciously truthful in its scheme, should be at once admired and understood. The mass of mankind do not want truth, especially in art. Fault has been, and always will be, found with the disproportion between Joan and her horse, yet this is one of the most subtile and weighty merits of the work. Another merit is the charming relationship in sentiment, between horse and rider. In all fundamental respects it is one of the most perfect equestrian statues in existence, and one of the finest all-round pieces of decorative sculpture since the Greeks. The youthful simplicity of Joan is a marvel of delicate artistic insight."

An extraordinary confirmation, unique in the history of real works of art, has been given to this statue by the sale of nearly three hundred copies of the reduction, at one hundred dollars each. And it is interesting to know that the first reduced copy went to a very little hamlet in Berkshire County, Massachusetts, the two succeeding ones to Waterbury, Connecticut. The commercial attraction of the reduction is well understood by the two largest art houses in France, Barbedienne, and the old house of Goupil, for, during more than fifteen years, a copy has always been seen in their windows.

The admirers of Joan's head and face may add to their pleasure by remembering that they bear a very close resemblance to the youngest daughter of the sculptor, herself an artist of fine talent, and a frequent exhibiter in the *Salon*.

I saw the Joan of Arc when it was hoisted upon its pedestal. It charmed me then, and, since, I have studied it as I have no other work of art, in all lights, seasons, and times of day, with buildings and sky as a background, and at all distances. It always seems new and increasingly beautiful. As a composition, forcibly, learnedly delicately, and harmoniously executed, it is to me, the most winning and human equestrian statue in the world. No other approaches it in elegance, style, naturalness, and above all in swing of construction and movement. Time and study reveal many curious facts, in art as in everything. Most curious is it that the three great equestrian statues, are completely lacking in that essential quality of a horse, constructive movement. That subtile, living fact, that makes both man and horse, and every other animal, appear to the sensitive eye to move when they stand still, is not represented in either the Colleoni, the Gattamelata, or the Aurelius. It is not only a swing of construction, but a sinuous one. Barye got it in his ferocious animals, but not in his horses or human beings, though he tried for it in his horses with a furious determination.

Frémiet was born with the sense of it, and all his horses have it, as much in those that are standing still, as in those that are moving. It is the basic charm and secret of the "Gallic Chief," and the foundation of the style of the "Duke of Orleans." It gives the

Man of the Age of Stone. Fremiet, Sculptor.

harmonious ease of the horse that so gayly carries Joan of Arc, and that wondrous elasticity of line and mass that distinguishes it over all other equestrian statues, order and movement expressed by a master.

It matters little what this statue is called, or what it was made to represent. Tastes and judgments may differ on these points, as well as upon the frivolity or seriousness of the rider, but there can be no difference of opinion, save on the ground of degree of sensibility and knowledge, when the fundamental facts of nature are in question. Curious indeed is it that lovers of fine horses, who must have some reason for their love, some conscious, or unconscious, defined mental sense of this high and attractivê quality, should be unable to see it in sculpture. It may be that it is a gratification of this sense that gives a reason for the unusual sale of the small copies of the Joan of Arc.

That any real, comprehensive lover of the horse cannot see in Frémiet's horses, and feel to his very marrow, their superior qualities, and deeply enjoy such a combination of nature and art, cannot be designated as any thing less than a personal misfortune. Of course, it needs no little time and effort, and perhaps a natural sensibility, to really get at a good way of looking at a horse, to be able to see just what he is made of, how he is made, and of all things, how he actually moves. Then to see him as a part of an equestrian statue, the chief work of sculpture, demands another effort, and one of a very different kind.

If the times immediately after the war of 1870, were hard for artists generally, they were particularly so for Frémiet. He had nothing to do, and nothing to fall back upon. He had hardly earned his salt in making the "Joan of Arc," and his heart was very heavy with the reception it had received. He had done a good deal of work for the second empire, was generally supposed to be a Bonapartist, and that did not help him with the new government, which was taking care of its own. Whatever he had hitherto made had not brought him into near relation with official people generally, or with influential bodies. There was no demand for the man who had executed the only recent equestrian statues in France, and they, at St. Germain and Pierrefonds, were, to all intents and purposes, as though they had never been. He lacked the telling diplomacy of Barye, and all the peculiar influences employed by all French artists who succeed in getting plenty of work and its concomitant returns.

He was really in desperate straits, and the future had no light in sight. "I was," says the sculptor, "in a deep hole." But fortune had not forsaken him, for, as he was going by the Institute one day, he met Lefuel, the architect, who was coming out of that habitation of immortals, and this conversation took place. "What are you doing?" asked Lefuel. "Making water-colors," answered Frémiet. "Nothing to do in sculpture?" "No." As Lefuel was an ardent Bonapartist and felt that the Republicans were failing in their duty towards the artists, he embraced the opportunity of expressing himself accordingly. "Then the new government is letting all the artists starve. That is well, very well. Its best men are to die of hunger," and he continued his walk, musing. Going a little ways, and no doubt thinking how he could put the sculptor on his feet again, Lefuel turned quickly around and called after him, saying, "Would you like to try your hand again at a little sculpture?" "Certainly," replied he. "Very well, then, come to my office and we will see what can be done." "When we arrived there," relates the sculptor, "Lefuel showed me the drawings for a large amount of decorative work, and asked me if I would like to do it." "Mighty well," I said, and the drawings were sent to Prunay. T. H. Bartlett.

(To be continued.)

OUR LACK, SIMPLICITY.

"Now, I believe the practice of this art to be one of the most important things which man can turn his hand to, and the consideration of it to be worth the attention of serious people, not for an hour only, but for a good part of their lives, even though they may not have to do with it professionally." — *The Prospects of Architecture in Civilization. W. Morris.*

The last meeting of the Boston Society of Architects was one of more than ordinary interest. A greater number of members than usual had come together to hear Professor Norton speak on the importance of the study of architecture, as a part of a general education, taking for his subject the buildings at Harvard University. His critical remarks on these buildings elicited some discussion regarding the conditions under which the architects of the present day have to work, as furnishing reasons for the shortcomings of our best men. The late hour curtailed the discussion and, as it may not be continued, a few words on the subject may not be out of place here.

It was argued by one speaker, that, considering the complexity of their work, architects were poorly paid, and therefore, as a compensation, they had to take more work in a given time than they could give proper study to, in order to ensure the best artistic results. That if they were paid higher, they would then be in a position to do only that which they had time to study thoroughly.

In common with others the architect feels the ill effects arising from our modern civilization, and our competitive commercial system, and all have to deplore the rushing, driving hurry of the times.

There are few thoughtful persons who do not feel that, socially, much is unnecessarily complex. An architect with a good practice complains that he is "only making a living." The phrase is a comparative term. One may consider he is not "living" unless he belongs to ten clubs, and keeps two horses, but has no family to maintain; whilst another, with half the income, brings up a family and has something laid by, over and above a good "living."

It is not overstating the truth to say that the people of this country work very hard, earn much money, and also spend much money in an extravagant, useless way. The great majority get little pleasure out of their work and take to costly pleasures as a solace.

All this is a divergence, but may possibly have some bearing on the practice of architecture. "Simplicity of life," says Morris, "even of the barest, is not a misery, but the very foundation of refinement." "Learn to do without," there is virtue in those words. "And then from simplicity of life would rise up the longing for beauty, which cannot yet be dead in men's souls."

There are clubs formed for everything nowadays, and one would dread to hear of any more, but perhaps, some day — for does not action always bring re-action? — a society shall arise whose members shall strive for simplicity of life. Could we but return to this, architecture would have a healthier growth.

Professor Norton said that the simple, earlier buildings at Harvard are the best. Indeed, the buildings generally dating back to the colonial period impress us, when we look at them, as being the work of a people who had some real refinement, and although I have never referred to history to find out, I feel sure, when they were being built, the rulers of towns and cities did not rob the public till as they do now.

The moral is obvious. Let us start afresh and build on the first principles of Honesty and Simplicity.

The architect must prove himself an artist by his work, and, just as the work of sculptor and painter attains to an order of merit and receives just remuneration, so will the work of our architects when it attains that artistic standard. And it is only by specializing his business that the architect can set himself free for his artistic work, leaving to others, who will work in harmony with him, such things as plumbing, electric-lighting, and sanitary matters. The study of his work in perspectives carefully projected from the plans, altering and modifying these repeatedly until the final result is satisfactory — the study of modelling and the use of models — decoration by color — the furnishing of the rooms — all these things may well occupy his whole time, and are more essential to attaining the noblest architecture, than the study of sanitary science.

Furthermore, a great architect will never undertake more work than he can conscientiously study in a given time, although I fear, there are many who practise their art as if it were a commercial business. From such we can only expect barren results, but "every worthy work done and delighted in by maker and user begets a longing for more."

What should we think of a painter who, on showing his work would say, — "This is as well as I can do for the money, if you pay me more, I'll do better." Should we not rather admire one who said, "This is my best work, whether you choose to pay me my price or not." The habitual maker of "pot-boilers" is not held in high esteem.

The demand for something new, something original and "national" which we often hear, is somewhat allied to an unhealthy craving for novelty. When we are fitted to receive or develop a national style of architecture, it will come. We had some attempts, before the grammar of art had been learned, which, as we now look back at them, are anything but happy; and the safest course at present, when we have no inspiration and but little imagination, is to work on old lines. The variety of adapting forms bequeathed to us from past ages, the interpretation of these under different conditions of material and workmanship, will give enough originality for the present. Much more attention needs to be given to proportion, a subject of late rather fallen into neglect with some of the apostles of the Romanesque school.

On that part of his subject, the importance of the study of Architecture as a general education, Professor Norton did not say much. It is to hoped the Society may again have the pleasure of hearing him on this or some kindred subject. R. Brown, Jr.

Rule for Estimating Standing Timber. — The following is a rule for estimating standing timber, prepared by Mr. George Bonsfield, of London: When a tree stands so that a length of its shadow can be measured, its length can be readily ascertained by setting a stick upright, and as the length of the shadow of the stick is to its height, so is the length of the shadow of the tree to the height of the tree; or, multiply the length of the shadow of the tree by the height of the stick and divide by the length of the shadow of the stick.

Example. — Supposing the height of the stick be five feet and its shadow six feet, and the length of the shadow of the tree twenty-five feet, what is the height of the tree?

$$6 : 5 :: 25 : \frac{5}{6{,}125}$$

20 ft. 10 in. height of tree.

But when there is no shadow to assist you in your calculations it would be advisable, in the absence of a rod or short ladder, to screeve the tree say at six feet, and, walking backwards, take a full view of the tree and judge the number of six-foot lengths there are in it.

But after a little practice in this way, it will be seen that shadow, rod and ladder can all be dispensed with (except in special cases), and your eye becomes then your sure guide. — *Invention.*

ILLUSTRATIONS

[Contributors are requested to send with their drawings full and adequate descriptions of the buildings, including a statement of cost.]

ENTRANCE TO TURKISH AND RUSSIAN BATHS, WALNUT ST., PHILADELPHIA, PA. MR. WILSON EYRE, JR., ARCHITECT, PHILADELPHIA, PA.

[Helio-chrome, issued with the International and Imperial Editions only.]

TWENTY-THREE ILLUSTRATIONS OF A TEST OF FIREPROOF ARCHES, MADE AT DENVER, COL., UNDER THE DIRECTION OF MESSRS. ANDREWS, JAQUES & RANTOUL, ARCHITECTS, BOSTON, MASS.

[Additional Illustrations in the International Edition.]

FOUNTAIN IN THE RUE CHILDEBERT, PARIS, FRANCE.

DOORWAY IN THE PASSAGE DU DRAGON, PARIS, FRANCE.

ABOUT 1586 the Cardinal de Bourbon, abbot of St. Germain-des-Pres, built a palace for himself, surrounding the circumscribing grounds with crenellated and turreted walls. These structures were of brick and stonein the style of the time of Henri IV, and though the palace itself — devoted to private uses — still survives, the walls and outbuildings were swept away to make room for the Boulevard St. Germain. Amongst the accessory structures was a fountain — called double, although only one part of it served for the distribution of water — which was built in 1714 after the design of the architect Théophile d'Ailly. Only this portion was thought to be worthy of preservation and it has accordingly been removed to the Square Monge, and there built into a wall, as shown in the cut reproduced from the *Gazette des Beaux-Arts*.

In the eighteenth century the Abbey built upon either side of the street which is now the Passage du Dragon, rows of houses of symmetrical design, and at the entrance to the passage placed the doorway which is here reproduced from the same source. The sculptured dragon — from which the passage takes its name — symbolizes an association with St. Margaret, a symbolization due to the fact that the passage connected the Rue Sainte Marguerite with the Rue du Sepulcre.

STAIRCASE IN A VILLA AT FONTENAY-AUX-ROSES, FRANCE.

THIS plate is reproduced from *La Construction Moderne*.

ST. JULIEN LE PAUVRE, PARIS, FRANCE.

THE origin of the Church of St. Julien le Pauvre is of great antiquity. Gregory of Tours mentions it, styling it a basilica, which carries back the date of its origin to the sixth century at least. Subsequently it passed into the hands of the city, and in the twelfth century was given to the Abbey of Longpont, near Montlhery, partly by Etienne de Vitry on his return from the Holy Land and the remainder by Hugues de Munteler. The church as it exists to-day was begun at this epoch, and then styled the Priory. In the following century and up to the sixteenth century, the University held its gatherings there. Finally, on April 30, 1565, an agreement was made between the monks of Longpont and the administrators of the Hôtel Dieu, providing for its connection with that establishment. The priorial name was abolished, and this coalescence was confirmed by letters patent issued by the king in the month of June, 1697. Different confraternities, such as the tilers, founders, paper merchants and so on, at that time had the right to make use of the church for their ceremonies. Until the Revolution only a single chaplain, selected by the St. Severin, celebrated at St. Julien two masses a week. In the beginning of this century it was used for the funeral ceremonies of patients dying in the Hôtel Dieu, until the removal of this establishment into its new building. The department of Public Assistance next cared for the property, and in 1889, temporarily ceded the building to the Orthodox Greek Church.

The church of St. Julien Le Pauvre consists of eight bays, with aisles which, as well as the nave, are terminated with circular apses. The vaulted choir dates to the middle of the twelfth century, the nave and doorway are of the thirteenth century. In this part of the building the aisles only are vaulted. The nave, to-day, covered by a plastered barrel vault, must have had a panelled ceiling of oak. The two west bays were demolished in the last century, except the north aisle, which was converted into a sacristy, and the gable, covered with plaster and decorated with a Doric order, replaced the doorway of the thirteenth century, of which some remains may be found upon the left. The choir of St. Julien, which up to the present time has undergone no alteration, is a fine example of the architecture of the twelfth century. With modest dimensions and the simplest of means the architect who built it procured a grand effect. The sculpture has a character and workmanship which are really remarkable, and we cannot too strongly recommend the study of this charming building to young architects, says *L'Encyclopedie d'Architecture*.

ANJUMAN-I-ISLAM SCHOOL, BOMBAY, INDIA.

THIS School, which is now under construction, occupies a site facing Hornby Row; opposite the Victoria Terminus, and close by the Police Courts and new Municipal Offices. As the style of all these buildings is Gothic, it was considered advisable that the design of the new School should be sufficiently Gothic to harmonize with its surroundings. At the same time, the Mahomedan community were desirous that the building should be distinctly Mahomedan. It was decided, therefore, to effect a compromise, and to erect a building whose general outline should not form any violent contrast to the surrounding features of the landscape, while the details and general design should be sufficiently Oriental in feeling to leave no doubt in the mind of an observer that the building he was regarding was intended for the use of Mahomedans. It was under these conditions that the School, here reproduced from *Indian Engineering*, was designed.

The accommodation, which has been provided in the portion of the building now under construction, is as follows:

On the ground-floor is an entrance-hall at the base of the tower, which gives access to the main staircase to the library (24′ × 20′), to the head-master's room (20′ × 12′), to the store-room (20′ × 17′ 6″), and to the verandas of class-rooms.

The store-room is at the back of the building, so as not to interfere with the thoroughfare. The library occupies a wing by itself on the right of the tower, so as to be away from the noise of the class-rooms, there being two class-rooms 30′ × 20′, one 24′ × 20′, and one 15′ × 20′ on this floor, for the sake of rapid and easy passage, two circular staircases have been provided in the corner turrets in addition to the main staircase.

On the first floor are the lecture and examination hall, 63′ × 37′ 3″, the master's common room 15′ 6″ square (with its private veranda), and a class-room 24′ 3″ × 20′ 6″, all reached direct from the landing of the principal staircase. There are, besides, one class-room 20′ 6″ × 15′ 3″ and one 24′ 3″ × 20′ 6″ reached by a circular staircase, but in direct communication with the lecture-hall.

On the second floor are two class-rooms 24′ 6″ × 21′, one class-room 21′ × 15′ 6″, one room 16′ × 16′ and a ladies' gallery traversing one end of the lecture-hall, (which latter rises through two stories of the building). Access to the ladies' gallery is obtained either from the second landing of the principal staircase (supposing the gallery is needed for students) or else by a private anteroom and private staircase for gala days when the gallery is occupied by purdah-ladies, for whose convenience a purdah-screen of Oriental design has been provided.

The gallery is provided with three large doors and one large window facing the prevailing sea breeze. These openings will, moreover, owing to their lofty position, act as an efficient ventilator for the whole lecture-hall. The building will depend largely for its effect on the employment of natural stones of various colors and of brilliant colored tiles, treated after the manner of the Pathan style of old Delhi. The wall masonry, generally, is of blue basalt; no course being less than one foot in height: the plinth mouldings, all the shafts, the caps and bases of such columns as support great weight, all the arch rings and various other minor features are of buff-colored Coorla stone. All other caps and bases, most of the mouldings, the parapets, balconies, etc., are of Porbander stone, a soft, white lime-stone, easily carved, and therefore, useful on account of its cheapness. Red stone, obtained from Poona, has also been sparingly used (so far as funds would permit) in important places. The frieze under the lecture-hall is inlaid with colored tiles. The bands round the bases of the domes and several minor ornaments are also of colored tiles.

The arches generally take the form of a pointed horse-shoe after the manner of the arches of the Alai Darwaza at Delhi.

The lecture-hall, which will also be used as an assembly-hall by the members of the Anjuman-i-Islam, is fully open to the sea breeze, and is lighted by twelve large windows 12′ × 5′. Those on the east face (shown in the view) are unprotected; as the sun will be off them by the time morning lectures commence, and they will then be thrown wide open. They are not exposed to rain which blows up in Bombay from the southwest. The western windows are protected alike from sun and rain by a hanging-gallery. The tympanums of these windows are of pierced stone tracery in geometric patterns, the openings being glazed to keep out rain.

The circular staircases in the corner-turrets differ from Oriental ones in this respect, that they are not left open to the sky with only the domed turret for protection. They are roofed in, as an open stair is unsuited to the rainy climate of Bombay. A six-foot door under the roof gives onto the flat roofs of the verandas.

The estimated cost of the building is 134,700 rupees.

THREE COMPETITIVE DESIGNS FOR THE PETERSKIRCHE, FRANKFORT, GERMANY.

THESE designs are reproduced from *Architecktonische Rundschau*. In March, 1889, the town of Frankfort gave out for open competition among German architects the building of a new St. Peter's church. The church should seat about 1,000 persons, 300 being allowed in the galleries. A roomy sacristy was desired, and the cost of building placed at 300,000 marks. The judges were the

court architect, V. Egle, of Stuttgart, private government advisers, Prof. Raschvorff, of Berlin, Architect Wiethase, of Cologne, City Architect Behnke, of Frankfort, and the dignitaries of the church.

Fifty-eight designs were submitted and the three accepted were the designs by Herr Grisebach and Dinklage of Berlin and Professor Henrici of Aachen. It is worthy of notice that no Gothic work is to be found in the three accepted designs.

THE NEW PARLIAMENT HOUSE, TOKIO, JAPAN. — PROVISIONAL BUILDING FOR THE SAME PURPOSE.

These designs are reproduced from *Deutsche Bauzeitung*.

ST. ALBAN'S ABBEY, ENGLAND — BEFORE THE RESTORATION.

It is only within recent years, says the *Builder*, that St. Alban's has been the centre of a diocese, the first bishop being consecrated in 1877. For centuries before this it had been the head of the Benedictine monastries in England, and one of the chief centres of the military and civil life of the day; its abbots were privileged to wear the mitre, and its shrines were the object of pilgrimage from all directions. As at Lichfield, the great church which now crowns the hill opposite the site of Roman Verulam was the result of the circumstances attending the life and death of its saint — in this case St. Alban, the proto-martyr of England. From a wooden shed, with little but its sanctity to impress beholders, it gradually grew to the large pile which we see, although in a mutilated condition at the present day. The Norman builders were the first to make any decided change. What they found there is conjectural, but it was, in all probability, a building of some size, as there are still in the triforium of the transepts balusters[1] of an early date. It seems clear, however, that the early portions we have left — that is to say, the central tower, transepts and a considerable portion of the nave — are the work of Abbot Paul, of Caen (1077–1093), the balusters being probably re-used from the Saxon church which he destroyed. After a period of nearly a century, 1195, John de Cella, the twenty-first Abbot, commenced the alterations to the Norman church by pulling down the west front. He only partially succeeded in rebuilding it, the work coming to a standstill for want of funds. Those who remember the beautiful detail as it existed prior to the recent alterations will probably agree with the late Sir Gilbert Scott in doubting whether there existed "in England a work so perfect in art as the half-ruined portals of S. Alban's" were at that time. John de Cella's work was continued by his successor, William de Trumpington, who completed the west front and also rebuilt, in the style of the period, five bays of the nave on the south side and four on the north. The next great alteration was the remodelling of the eastern portion of the presbytery. The work, which is of two dates, was in all probability begun by Abbot John de Norton 1260–1290, who replaced the Norman apse by the present presbytery, carrying his work eastward, and laying the foundations of the Lady Chapel. Up to the sills of the windows is probably his work; the upper portion, which has long been known as a gem of Decorated work, being of Abbot Eversdon's time (1308–1326). The flat panelled ceiling over the ante-chapel is of this later date, or rather *was*, it being in so dilapidated a state as to require replacing by a copy during the restoration, under the late Sir G. G. Scott. During Eversdon's abbacy also, five bays on the south side of the nave, eastward of Trumpington's work, were also rebuilt, the Norman work having fallen suddenly on St. Paulinus's day, 1323. The cloisters, probably owing to this catastrophe, were rebuilt; but Mr. Neale in his valuable work on the building considers that this was probably the work of Richard de Walyngford (1326–1335).

Hugh de Eversdon's work may be said to have been the last great structural change that the abbey underwent. Lesser details — such as the windows — were altered from time to time; the three great windows, two at the end of the transepts and one at the west end, being the most important, and the work of John of Wheathampstead (1420–1440). The extra-mural chapel of St. Andrew, on the north-west of the nave, should also be added to the list of comparatively minor alterations and additions. Reference to the plan (which Mr. James Neale has kindly allowed us to reproduce from his original drawing, with notes as to the various dates added) will show how closely the simple form of the early church was adhered to. The great feature in the plan is the unusual, in fact unique, length of the nave, which is the longest in England, 284 feet. The transepts have no aisles and have been shorn of their eastern Norman chapels. As we found at Lichfield, the eastern tower of the Norman church has been entirely remodelled, and the apsidal termination has disappeared, but a portion of the walls (two western bays) next the great central tower, were no doubt left to ensure the safety of that structure, and were simply arcaded to match the new presbytery arches.[2]

The interior in its original state was, probably, for richness without a rival. Much of its glory has departed, and is even now disappearing,[3] but what is left is a wonderful example of the care and thought which were lavished on the tombs and shrines in Mediæval days.

For descriptive purposes it is best to divide the interior of the church into three parts: (1) the nave to the rood-screen; (2) the choir to the altar-screen; and (3) the portion of the church east of the altar-screen.

The chief objects of interest in the nave are the different styles exhibited in the arcading, the changes in which have been already alluded to, the frescos on the Norman piers on the north side near the rood-screen, and the delicate piscina against the inner face of the west wall. The rood-screen, of Decorated date and sometimes called St. Cuthbert's screen, against which was a central altar, and another in the north aisle, is a magnificent piece of work, some of the spandrels being of very delicate workmanship. It seems probable that the same hand worked on this as on a small reredos in the north transept at Wheathampstead church a few miles north, the work in the spandrels being almost identical. The central altar has now been fitted up, and service is held here during the "restoration" of the eastern portion of the church, which Lord Grimthorpe has at present in hand.

Between the rood-screen and the tower there is little, perhaps, of interest. The choir ceiling is flat and painted, dating probably about 1440. In the south wall of the aisle is a recess for a tomb, and the doorway which formerly led to the cloisters. The transepts are chiefly remarkable for the early work, as already mentioned, which still remains in the triforium arcades. Until recently an interesting slype existed south of the south transept, but this has been removed, and the large Perpendicular window of Wheathampstead's time taken out. On the door which led to this slype was a good piece of early ironwork, and in one of the recesses, formerly a chapel on the east side of the south transept, is a small collection of fragments of carved work which have been discovered from time to time. It is, however, in the sanctuary that the rich detail commences. Fronting us is the high altar-screen reaching to the level of the top of the triforium, built by Abbot Walyngford 1476–1484, and one of the same type to which those at Winchester, Christchurch, and S. Saviour's, Southwark, belong. On the right stands Wheathampstead's tomb, in which is placed the magnificent Flemish brass of Abbot de la Mare (1349–1396). On the left or north side is the chantry of Abbot Ramryge (1492) a marvel of delicate carving. A general idea of the appearance of this chantry is given in the subjoined sketch, and also details of an angle and pastoral staves held by rams (a rebus on the name) who act as supporters to the arms in the lower panels. The whole chantry has a general resemblance to others of the same date, but the clever filling-in of the arch of the arcade with tall and slender canopied arches divided by upright bands of open tracery has an unusually elaborate effect. Eastward of the great screen (which has now, through the liberality of Mr. H. Hucks Gibbs, been restored and refitted with figures)[4] comes the Saints' Chapel. The centre is occupied by the shrine of St. Alban, which was found in fragments in 1872 built up in the arches at the east end of the Presbytery.[5] The material of which it was constructed — Purbeck marble — does not seem to have prevented the carver from obtaining the most delicate effect in the spandrels and carving generally. The spaces between the gables were filled with seated figures with the martyrdom of St. Alban at one end and the scourging of St. Amphibalus at the other, while the angles of the shrine had censing angels. The whole is surmounted by a rich cornice and a mutilated cresting.

North of the Saints' Chapel stands the watching loft, of fifteenth-century date and of wood, with a glazed lower story for the exhibition of relics.

On the south stands the monument of Humphrey, Duke of Gloucester, the upper portion of similar design to the Ramryge Chantry, but later in its details. There are some splendid specimens of heraldic work on this monument, which has been well engraved by Blore. Here, as at Westminster, the Saints' Chapel is on a level with the sanctuary, and approached by doorways in screens from the side aisles or ambulatories. Opposite Duke Humphrey's monument was, until recently, a panelled arch, which formed part of an external chapel. (See plan.) Against the east wall was a fragment of the old rood-beam which had been brought from the nave.

In the ante-chapel to the Lady Chapel is a second shrine, that of Saint Amphibalus. Like St. Alban's shrine, it has been gradually put together from fragments discovered during the restoration, but it is far less perfect. It is of two bays, of Totternhoe stone, and retains traces on the lower portion of the words "Amphibalus," and the initials R. W. (Ralph Witechurche, sacrist in the time of Abbot de la Mare, 1349–1396, at whose cost it was erected).

The wall arcading of this portion of the church has of necessity been a good deal restored, for a passage formerly ran through the church at this point, and the Lady Chapel itself was a school.

The Lady Chapel (of which we gave interior views in our issue of April 5, 1890) forms a fitting termination to this fine church. The interior with its figure sculpture, and painted niches must have been very gorgeous. A large number of the figures are still left, and there is some very beautiful canopy work over the sedilia. This chapel is vaulted in wood. In fact, with the exception of the aisles the whole of the church is either vaulted or ceiled in wood, the presbytery vaulting being a fine specimen, with its color remaining.

[1] A view of the N transept, showing these balusters appeared in the *Builder* of April 5, 1890.

[2] Shown in a view looking into the choir in the *Builder* for April 5, 1890.

[3] During the present year the remains of an external chapel on the south side of the presbytery aisle have been cleared away.

[4] See *Builder*, October 29, 1887.

[5] In the *Builder* for May 4, 1872, a full description was given of the design with engravings taken from photographs. A general view as it is at present was given in the *Builder*, October 29, 1887.

During the last few years St. Alban's has been the object of a large amount of discussion. Into the merits of the case this is not a suitable place to enter, but all lovers of what is most beautiful in our mediæval buildings must deplore the destruction of many objects of interest which during the last few years this cathedral has suffered and is still unfortunately suffering.

It is on this account that we have preferred to give a view of the cathedral as it existed prior to these alterations. To have given the south transept as now existing would only have been to have paid an undeserved compliment to an architectural monstrosity.

VICTORIA TOWER FROM THE THAMES, LONDON, ENG.

THIS plate is reproduced from *Specialties*.

DUNIPACE FREE CHURCH, ENGLAND.

THIS plate is reproduced from the *British Architect*.

MARPLE HALL AND LIVESEY HALL, ENGLAND.

LIVESEY is one of the best examples of the smaller stone-built halls of North Lancashire. It stands in a pleasantly sheltered situation about two miles out of Blackburn on the old road to Preston. The hall appears to have been built at three different periods, easily traceable by date-panels built in the walls. The centre part bears the date 1608, the east wing 1666, and the west wing 1689. It was built by members of the Livesey family, from whom it takes its name, and was occupied by their descendants until the middle of the eighteenth century. At the present time one-half of the building is occupied as a farmhouse, the other half being in a neglected condition, and rapidly going to ruin. These illustrations are reproduced from *Building News*.

HOARCROSS CHANCEL. MESSRS. G. F. BODLEY & T. GARNER, ARCHITECTS.

VIEW OF THE EAST END HOARCROSS CHURCH. MESSRS. G. F. BODLEY & T. GARNER, ARCHITECTS.

INTERIOR OF HOARCROSS CHURCH.

CLUMBER CHANCEL, MESSRS. G. F. BODLEY & T. GARNER, ARCHITECTS.

CLUMBER NAVE.

SOCIETIES

NEW YORK CHAPTER, A. I. A.

A REGULAR meeting was held at its office, Welles Building, 18 Broadway, New York City, on Wednesday, March 11, 1891, at 3 P. M.

Action in reference to the late President Littell took precedence of routine business.

The Secretary said he had issued notices to all the Chapter members of Mr. Littell's decease on the day of its occurrence, with special ones to such of the members as had been named as delegates to the funeral services in New York, by Mr. Littell himself, in a paper written before his death, and that he had telegraphed to Philadelphia suggesting that members of the Institutes there should attend the burial service in that city.

A letter from Mrs. Littell to the Secretary, dated 9th inst., and one to her from the Rev. Dr. Van De Water, dated the 5th inst., were then read.

The Secretary then offered the following resolutions, which were unanimously adopted:

"*Resolved*, That this Chapter feels that it has sustained a severe loss in the death, on the 4th inst., of its President, Mr. Emlen Trenchard Littell, the architect of Jefferson Market, of several business buildings, of the Church of the Incarnation, and of some charity buildings and a chapel connected with the Protestant Episcopal Church, in New York; as also of St. James Church, in Philadelphia, and of churches and other buildings in Ogdensburg, Canandaigua, Palmyra and elsewhere.

"Since the formation of the Chapter he has held the presidentship several times, and has been constantly placed on its committees, in which and other like positions he has unswervingly used his influence in the interests and for the honor of his art and his profession; while as one of the three members, since its organization, of the Willard Architectural Commission, his advice and suggestions under occasionally very discouraging circumstances have been of the greatest value to his colleagues and to their responsibilities.

"*Resolved*, That the Chapter adopts, as a fit expression of its own sentiments in relation to its departed President, the following characterization of his qualities, written the day after his death by one of our divines:

"'In an age of self-seeking and unusual rivalry, Mr. Littell was the type of the thoughtful, sober-minded, pure, upright man of honor, who pursued his profession for the love of it, and made everything he touched the better for his contact with it. The memory of such a man is a rich inheritance. The world was poorer when he left it.'

"*Resolved*, That these resolutions be spread on the minutes of this Chapter, and that a copy thereof be transmitted to his widow and family."

The decease of Mr. Littell, and the consequent transfer of first Vice-president Upjohn to the Presidency, and of second Vice-president Hardenbergh to the first Vice-presidency, leaving the second Vice-presidency vacant, a unanimous *vivâ voce* vote was given that said vacant place be filled by Mr. R. W. Gibson.

The same cause leaving a vacancy in the Willard Architectural Commission, the Secretary reminded the meeting that when the Commission was formed in 1883, the Chapter had left to Mr. Napoleon Le Brun — appointed a member and Chairman of it under the terms of the bequest of Levi Hale Willard — the nomination of the two other members of said Commission, said two members to be appointed, likewise under the terms of said bequest, from the Chapter, and he moved that Mr. Le Brun be again invited to nominate a colleague.

Seconded and carried.

Whereupon Mr. Le Brun nominated Mr. E. H. Kendall, who was then, by unanimous vote, elected to fill said vacancy in the Willard Architectural Commission. A. J. BLOOR, *Secretary*.

COMMUNICATIONS

[*The editors cannot pay attention to demands of correspondents who forget to give their names and addresses as guaranty of good faith; nor do they hold themselves responsible for opinions expressed by their correspondents.*]

USING THE SAME PLANS FOR SEVERAL BUILDINGS.

March 9, 1891.

TO THE EDITORS OF THE AMERICAN ARCHITECT:—

Dear Sirs,—Will you kindly inform me through the medium of the *American Architect*, if a client is entitled to build two dwellings from the same plan?

House No. 2 is a duplicate of the first plan, save that he reverses it from right to left. Am I not entitled to some compensation for the unauthorized use of my drawings?

Yours very truly, M.

[A CLIENT is certainly not entitled to build two houses from the same plan. Whether he can be prevented from doing so is another question, which has not yet been satisfactorily settled. However, most men are honorable enough, on the protest of the architect against the use of his plans for a greater service than they were intended for, to pay something as extra compensation. — EDS. AMERICAN ARCHITECT.]

UNAUTHORIZED COPYING OF PLANS.

DETROIT, MICH., March 16, 1891.

TO THE EDITORS OF THE AMERICAN ARCHITECT:—

Dear Sirs,—It has been publicly announced that the State authorities of Michigan are having the plans of the Capitol Building copied with the view to their being used in the construction of a similar building in another State, which is done without even consulting with the author of the plans. Will you please inform me if decisions have not been rendered by Courts of competent jurisdiction, touching the right of architects in such cases, and oblige,

Very truly yours, E. E. MYERS.

[NEARLY all the decisions in this country are to the effect that the client is the owner of the plans, and can do what he likes with them, even to the extent of having them copied. Whether the courts would sustain another person in utilizing such copies to duplicate the building, without the architect's consent, is a different question, which we think has not been authoritatively decided here; but the architect would, it seems to us, have a good prospect of being able to prevent such unauthorized use of his brains, the dishonesty of which would be apparent to every one. Of course, if the design had been copyrighted, it could not be used again without the author's leave, but we presume that this was not the case with Mr. Myers's plan, as architects rarely think of protecting themselves in this way. It is much to be regretted that there is as yet no way in which this very glaring outrage on professional rights can be taken in hand by the authorized representatives of the profession and carried to an authoritative decision in the general interest. We believe that if such a case as well as some test case involving the ownership of plans, as between the architect and his client, could be thoroughly argued, and carried through to the United States Supreme Court, decisions would be obtained which would make every architect in the country happier and richer for a hundred years to come. — EDS. AMERICAN ARCHITECT.]

THE DARK AGES IN BOSTON.

TO THE EDITORS OF THE AMERICAN ARCHITECT:—

Dear Sirs,—I read with a good deal of interest and — though I find myself in agreement with nearly everything that was said — I must confess with a good deal of amusement, also, Mr. Howard Walker's tirade against current architecture which appeared in your last issue.

The perusal leads me to write to you of a matter that has been impressed upon me more and more of late, and that is: the sore need the community stands in of some intelligent and constant criticism of architectural performance. Occasionally, with regard to some building of unusual importance, there is a little of it in the *American Architect* or other professional journals. Still more spasmodically and exceptionally a little is found in the daily press; but practically

we may say that of real architectural criticism there is almost nothing. And I say this not forgetting Mrs. Van Rensselaer's excellent articles, or the occasional criticisms from the pen of Mr. Russell Sturgis or others. These are only the exceptions to prove the rule. I repeat that (in the sense in which we have criticism of the drama, of painting, of literature, of music) criticism of architecture is practically non-existent.

Mr. Andrews at a recent meeting of the Boston Society of Architects, pointed out in an excellent paper, which it is to be hoped may be published, that of all the professions, artistic or other, that of architecture is the only one in which the scale of compensation is not based upon reputation or merit, real or supposed. May we not say also that architecture is the only fine art that tries to get along without criticism. Mr. Andrews showed that the very method of payment stood in the way of the public regarding architects as in any sense artists. The public practically does not demand that architects shall be artists, nor pay them for artistic taste, or artistic power. The method of payment, may be in part responsible for, but is more probably the result of the public indifference to architecture as a fine art. But the architects themselves must be held mainly responsible for the want of architectural criticism. Every architect knows that one of the great difficulties the profession has to contend against, is this public indifference or the ignorant assumption which is worse. This indifference and ignorance is a matter of common remark. It was well brought out in the opening paragraphs of Mr. Wm. P. P. Longfellow's paper on "The architects' point-of-view." "It is uphill work to develope a fine art in a people that is indifferent to it and uncritical of it."

It is then clearly a matter of grave concern to the profession, to consider what may be done to help in any way to dispel this indifference and this dense ignorance and to endeavor to awaken some interest in the essential qualities of good architecture.

It seems to me that a constant intelligent criticism in the daily press of all buildings in any way worthy of notice — whether from their size, public importance, especial beauty or exceeding badness — would be very instructive to the public and helpful to the profession. Not only would such criticism be an educational influence to the public, but it might be a real aid to the architects themselves. Architects and architecture suffer from the want of intelligent criticism of their work. If a man writes a book it is at once analyzed, criticized, its faults and its qualities are pointed out by more or less competent hands, and reasons are given why this point is good, that bad. No one I suppose would deny, in spite of much criticism that is worthless and incompetent, that criticism is on the whole, of the greatest benefit to literature. It points out his faults to the author and forces him to consider them, while at the same time it helps to educate the public. Rarely is an architect fortunate enough to have his work subjected to criticisms that is not on its face worthless, rarely indeed is it criticised at all. Yet why should not a building be "reviewed" as a book is reviewed? Why should we not have an architectural "review" and criticisms in the daily press of works of local prominence?

There has been a certain squeamishness on the part of architects — a very unreasonable feeling of false delicacy as it seems to me — which has prevented architects from publicly criticising each other's work to any great extent, on the ground that it is "unprofessional" to run down another's work. It ought not to be difficult to make the distinction between the meanness of disparaging words about the work of a *confrère*, made merely for the sake of disparagement, of hurting a reputation in a miserable attempt to get work for oneself — and fair-minded, honest criticism made for the sake of the art. At present there are unfortunately very few non-professional critics — and few enough professional critics — whose words would be worthy attention. If we are to have wholesome criticisms of architecture, it must come in the first place from architects themselves. There are a number among us whose criticism would be of real value if they would let the public and the profession have the benefit of it.

Great good might result if those who are competent to do this work — those, perhaps, who have retired from active professional practice — would regard it as a duty they owe the profession to *review* architecture precisely as it is now customary to *review* literature.

To return to Mr. Walker's article: I cannot help doubting whether such criticism — if indeed it can be so called — is at all helpful; and I say this although I agree substantially with everything that was said. It may be a grateful relief to express the pent-up feelings, but it won't help the matter. What is needed is not merely to state ex-cathedra, this is good and that is bad, but to say why this is good and why that is bad. The perception that feels without reasoning, only comes with long training in the race or in the individual.

Yours truly, H. Langford Warren.

Baltimore, Md., March 19, 1891.

To the Editors of the American Architect:—

Dear Sirs, — If there are any more of your subscribers who wish to get rid of their copies of the *American Architect* after reading them, I should be very glad to pay the postage for them, as they would be very valuable to me as a student. Your polyglot articles are just the thing. Yours very respectfully,

1326 N. Mount St. Albert M. Gray.

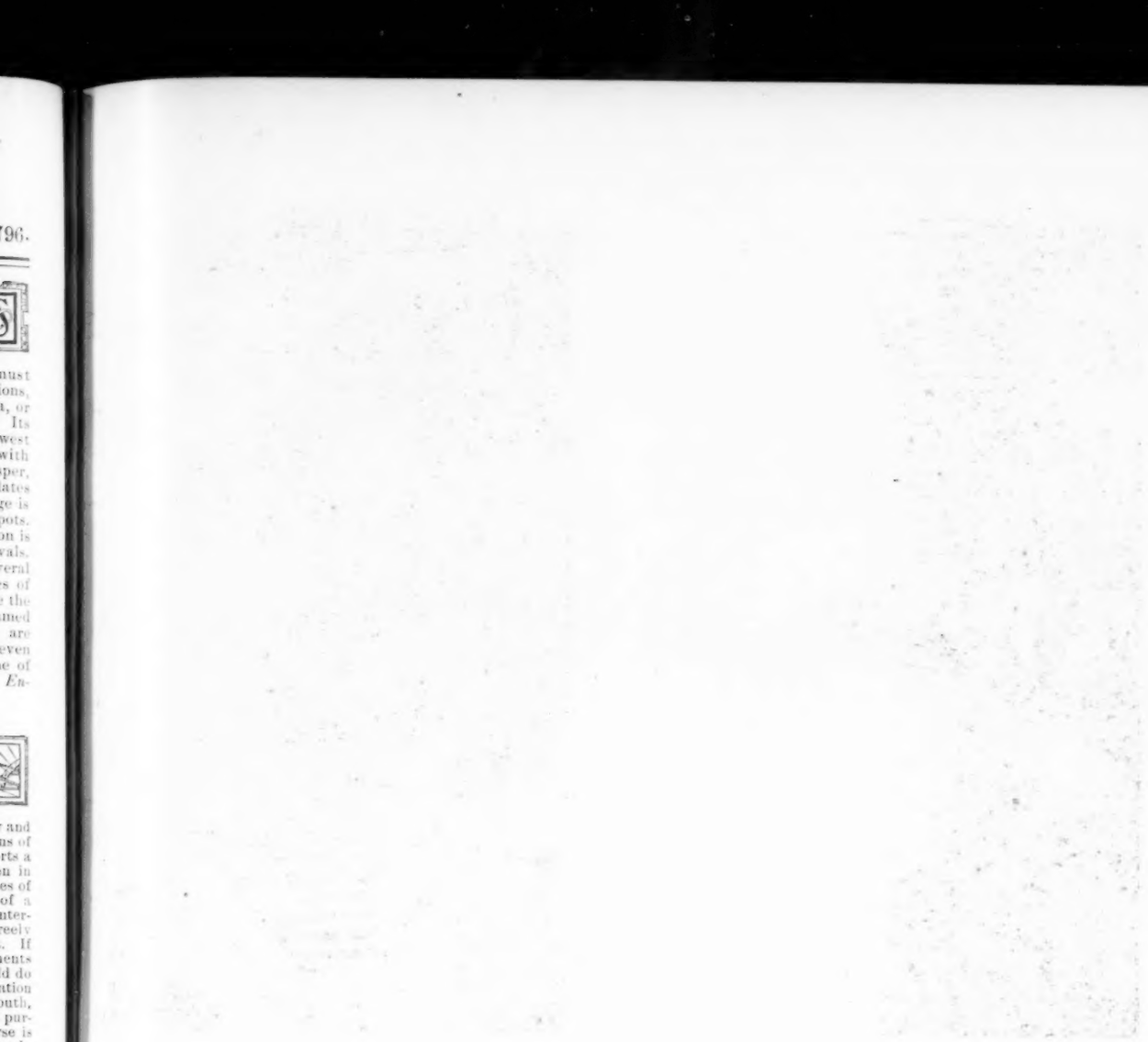
NOTES & CLIPPINGS

The Tomb of St. Francis Xavier at Goa. — This tomb itself must be admired as a masterpiece of art. It surpasses all one's expectations, and it is doubtful whether another mausoleum in the whole of India, or even Asia, excepting the Taj Mahal, could be found to equal it. Its three stages are built of rich marble of variegated colors. The lowest is of red and purple jasper and Carrara alabaster, adorned with statuettes of cherubs. The middle stage is of green and yellow jasper, the principal decorations of which are four beautiful bronze plates representing incidents in the life of the Saint. The highest stage is surrounded by a beautiful railing of red jasper marked with white spots. This railing is adorned with figures of angels, and its middle portion is graced with columns elegantly carved, and standing at equal intervals. The intervening spaces are surmounted with arches, and have several incidents in the life of the Saint represented on them. The friezes of its four lateral columns are of black stone with white stripes while the plinths are of yellow jasper. On the top of this stage lies the far-famed coffin, overlaid with silver, in which the remains of the Saint are deposited. It is a gorgeous receptacle, divided on each side into seven panels containing some exquisite plates presenting in relief some of the more important incidents in the life of the Saint. — *Indian Engineering.*

TRADE SURVEYS

General trade conditions have not improved. Commercial, railway and financial reports of the past four weeks, while showing some indications of general improvement, have not been as encouraging as were like reports a year ago. One reason for the halting progress is that business men in general have been alarmed during the past six months by possibilities of something more than a financial stringency. The very possibility of a fresh trouble of this sort is calculated to keep back a great deal of enterprise. Financiers in Boston, New York and Philadelphia have freely expressed themselves within the past two or three weeks on this point. If their judgment is to be relied upon, they will restrict their investments within certain well-defined limits; it is, perhaps, best that they should do so. Wild speculation has always resulted disastrously. The appreciation of land-values throughout the West has been checked; even in the South, a check has been given to town land-speculation. New investors are purchasing very cautiously where they do purchase. A temperate course is being pursued by those who invest money, the fruits of which are already being felt. Banking interests in New York have, for their own private information, had investigation made into a great many new industrial enterprises now being pushed forward. It is to be regretted that these conclusions cannot be made public; they would, no doubt, throw a good deal of light upon future conditions. These investigations were made by those who control millions, and who want to know everything possible and probable in regard to the future developments of the country. They have also investigated the condition of things in Kansas and other Western States, where something akin to agrarian agitations are more or less popular. It is probable, however, that public judgment is about as correct as this more methodical and exacting investigation referred to. There is always the danger of over-production, of over-speculation, of over-trading, as it is called, and there is always in this country the possibility of a deficient supply of currency; but these evils have been pretty well guarded against, and, so far as can be seen, we are safer from dangers growing out of such causes than we ever have been. In the commercial world, prices are stationary. Production is kept very close to demand; there is no accumulation of stocks worth speaking of; there is no disposition to permit an accumulation. Every visible indication is favorable. Economic prices are multiplying; cheaper methods of transportation are being introduced; economies of every sort are being studied. The great problem of the cheapest and best production is being solved more rapidly than ever before in our history. Combinations are still taking place, but the dangers which were threatened from them a year or two ago have entirely disappeared. Legislatures are holding their swords over corporations, especially railroad, and are giving them as much trouble as they know how. The Interstate Commerce Commission is doing noble work, and is tugging away at its dockets, and is rendering satisfaction to the manufacturing and shipping communities. In short, the railroad question is in a much better condition than we have ever known it. The iron trade is in a quiescent condition. Steel rail-makers have finally rooted out the cause of the sharper competition that last year kept prices two dollars per ton below the market-price. Bridge and structural iron-makers have their mills crowded with work. Merchant-iron and nailmakers have barely enough work to keep them busy. Monopolies still interfere with the proper growth of the iron trade, especially in the West, where the cost of iron is kept from one to three dollars per ton above what it would be if competitive freight and ocean rates were established for crude material. The Connelsville coke strike still continues, keeping fifteen thousand men idle, but there are signs of an early termination. The bituminous coal trade was never in a more active condition than at this time. Freight-rates from the mountain regions to tide-water have been increased from ten to twenty cents per ton. The heavy demand for funds has decreased the surplus reserves to nine million dollars above the legal limit, and has reduced the available funds of New York banks fifteen millions from the high-water mark reached shortly after the recent financial scare that led the banks to call in so many loans. The industrial condition throughout the New England States is, perhaps, better than it has been for a good while. Textile manufacturers are, as a whole, doing well. Paper-makers are able to run nearly full time, and the demand is such as to stimulate an increase of productive capacity. The factories and shops of the New England States are mostly all running full time; in the Middle States there is a very healthy industrial condition, and the percentage of idle men is less than it has been for twelve months. In the States between the Lakes and the Ohio River there is an increased activity in all small shops and factories. In the States between the Ohio River and the Gulf of Mexico, recent authoritative statements go to show that there will be a larger volume of capital invested in mining and manufacturing enterprises this year than last.

S. J. Parkhill & Co., Printers, Boston.



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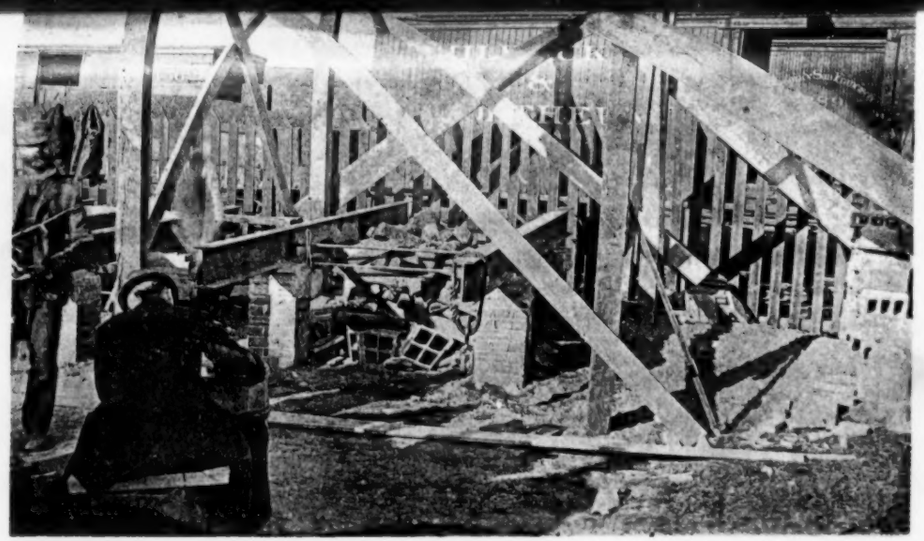

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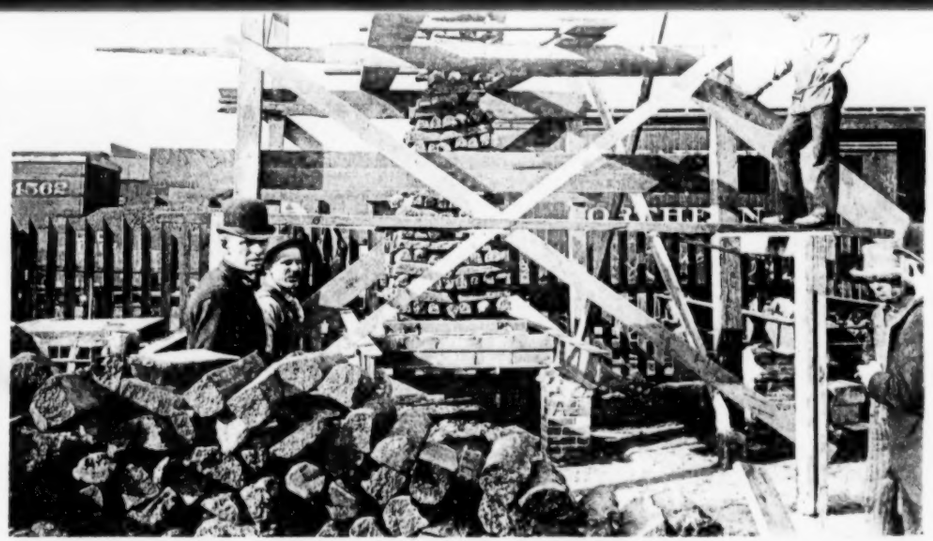

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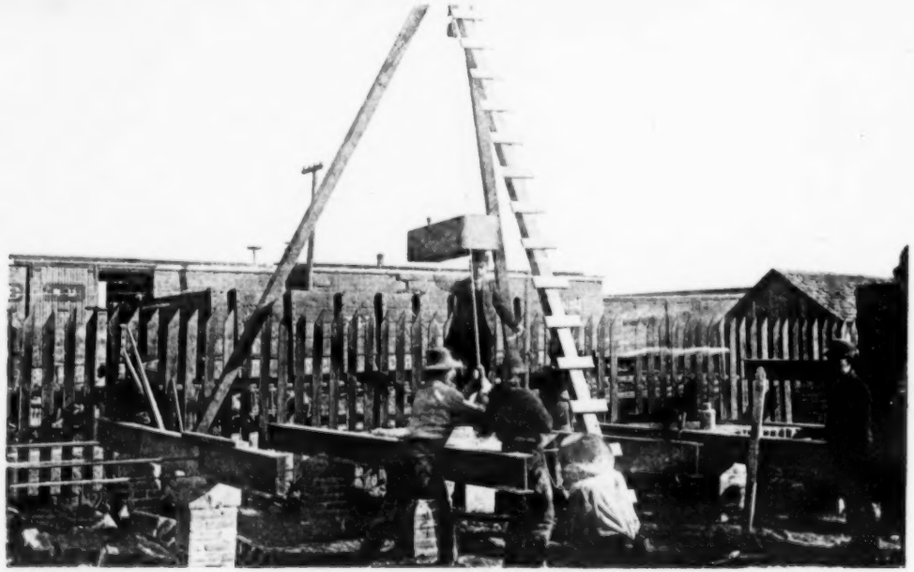

PLATE 11

PLATE 12

TESTS OF FIREPROOF ARCHES MADE AT DENVER, COL.,
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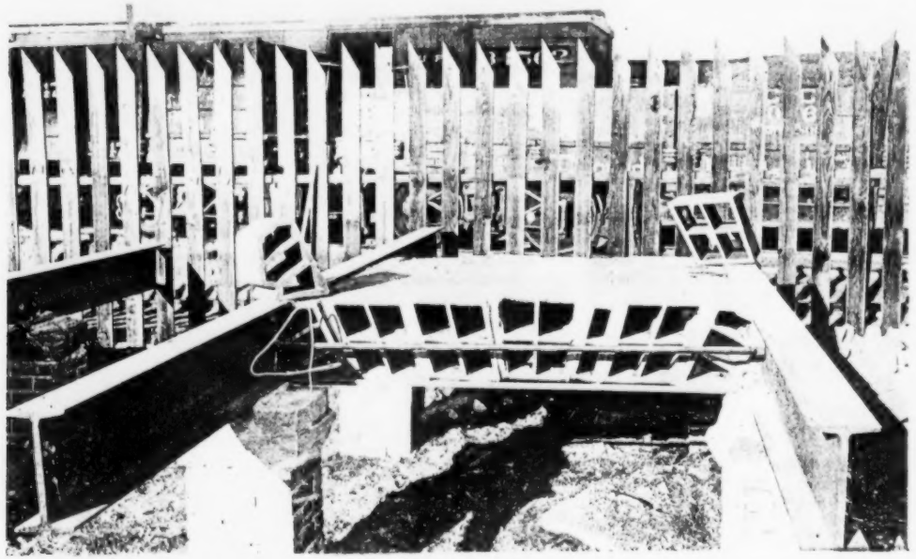

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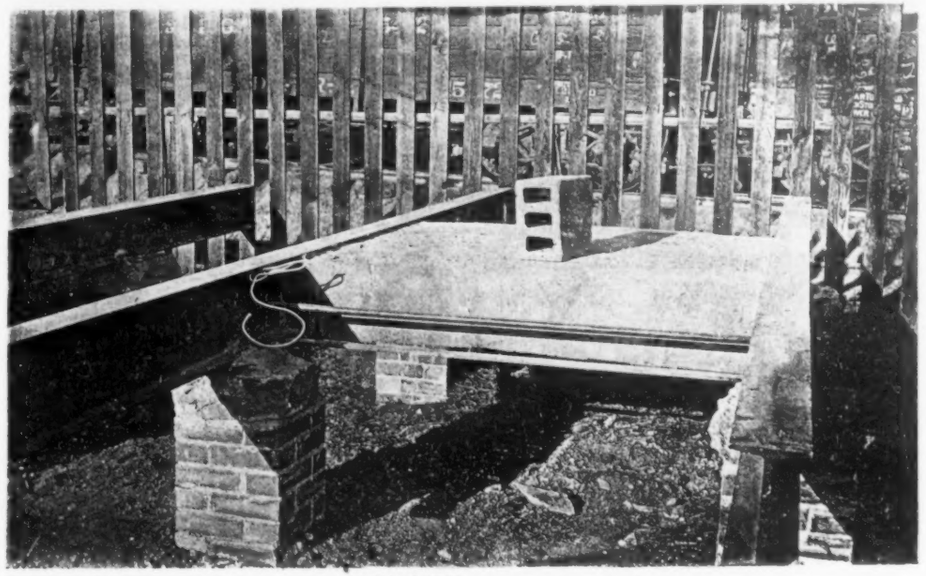

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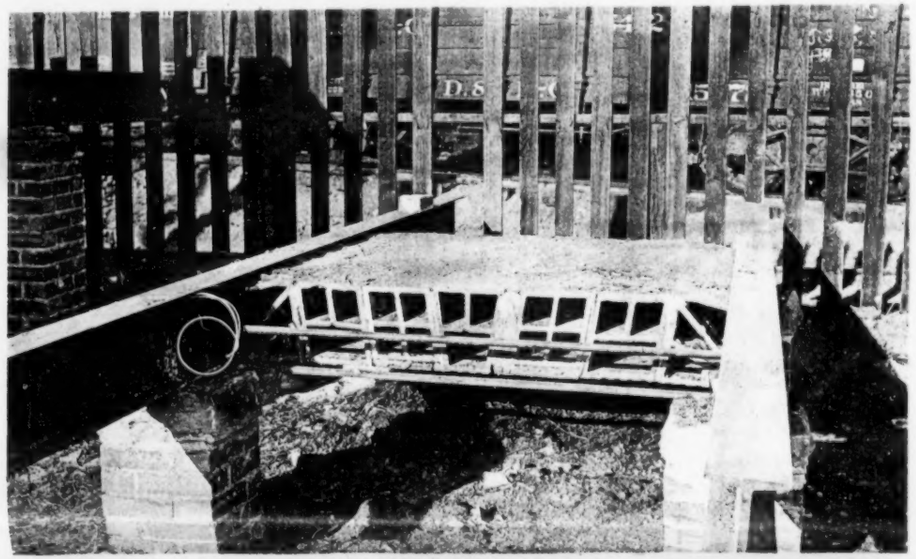

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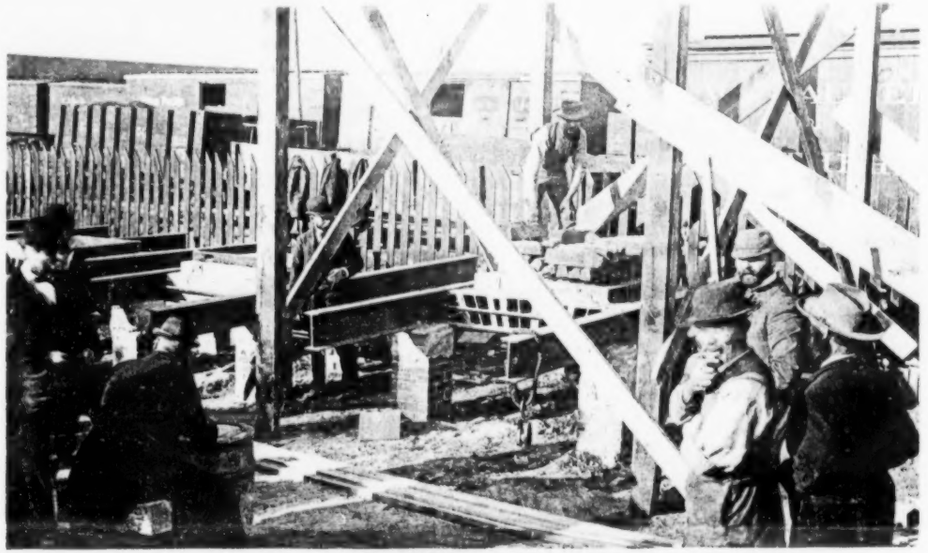

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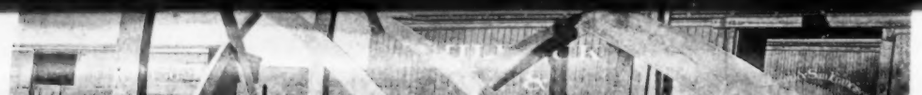

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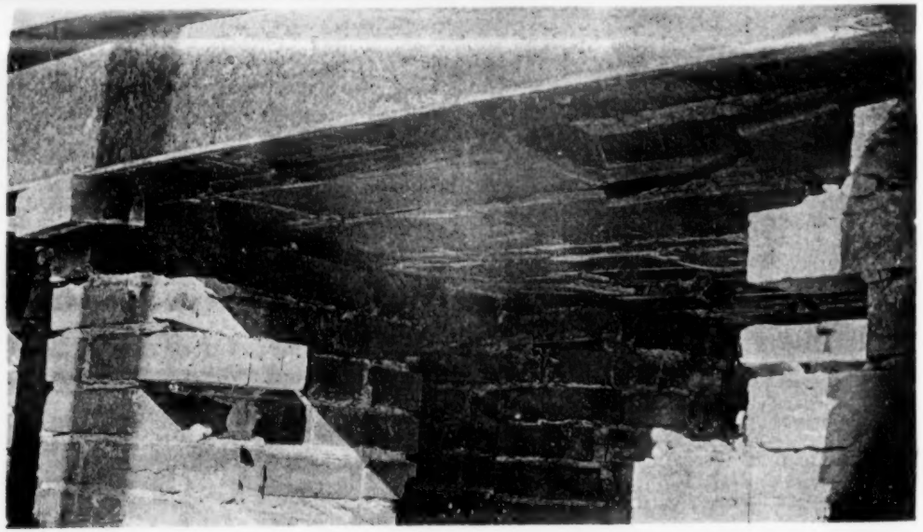

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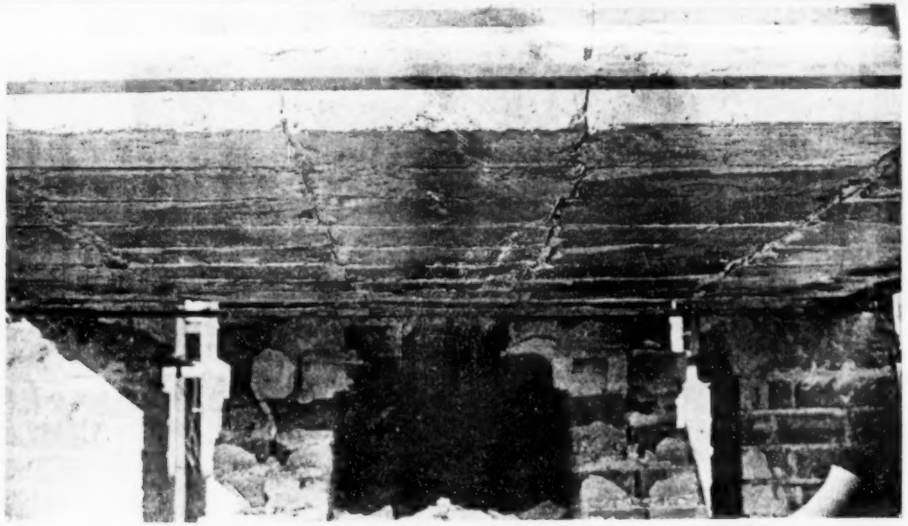

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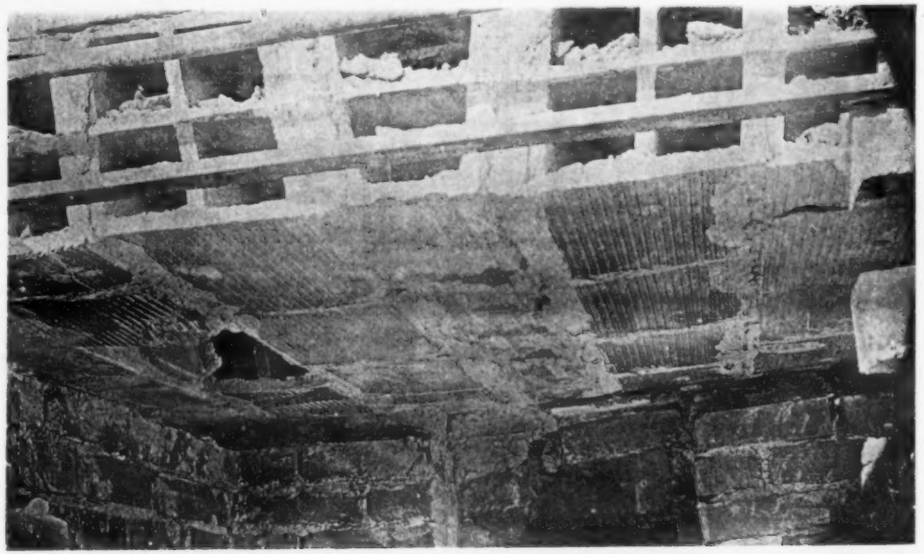

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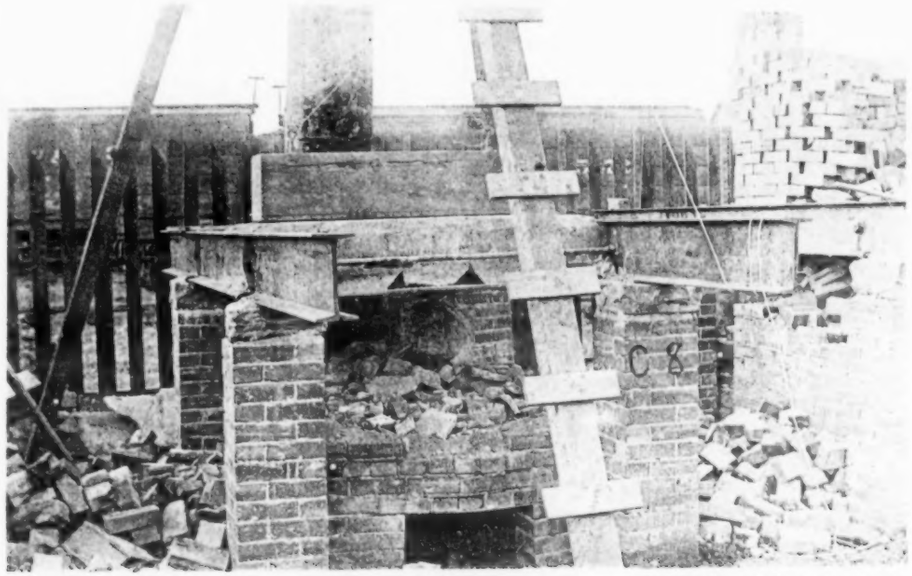

PLATE 20

TESTS OF FIREPROOF ARCHES, MADE AT DENVER, COL.,
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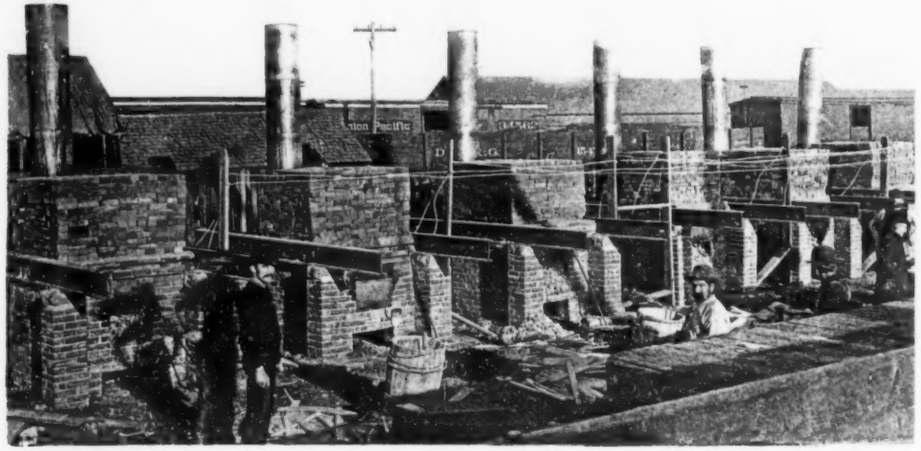

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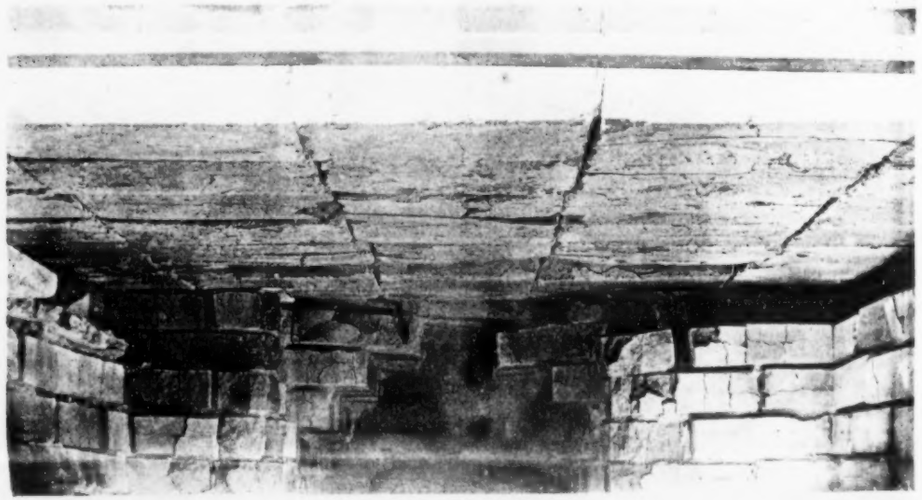

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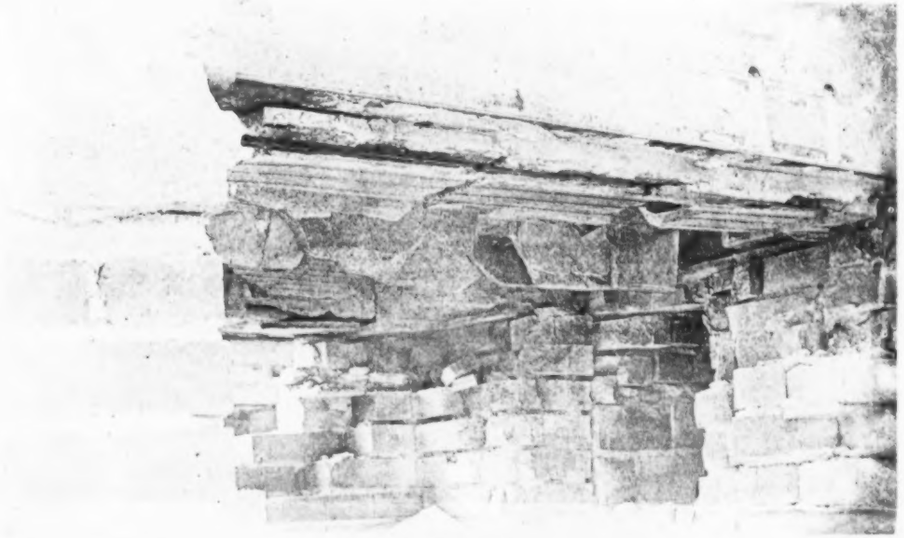

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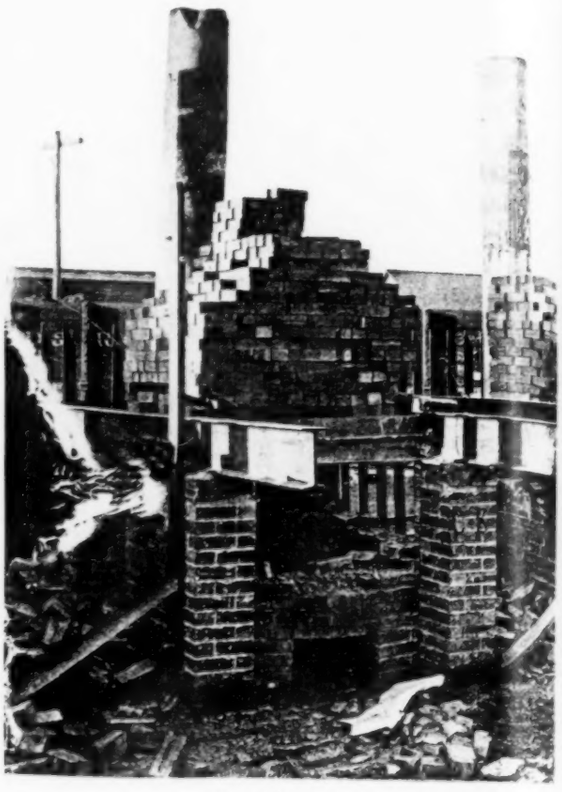

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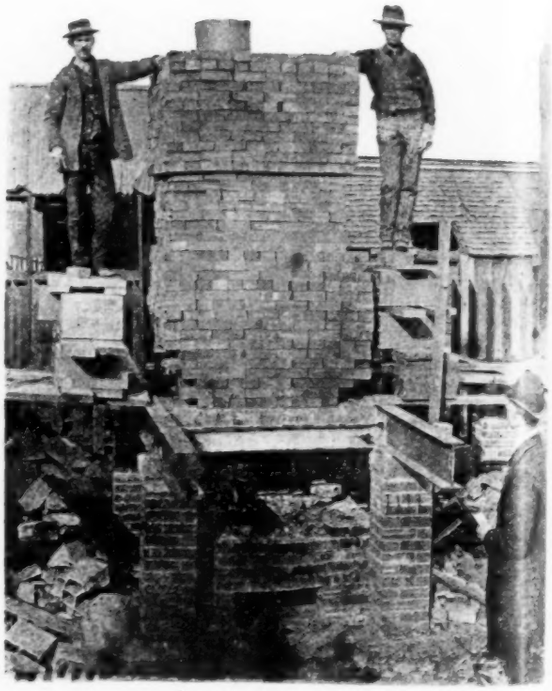

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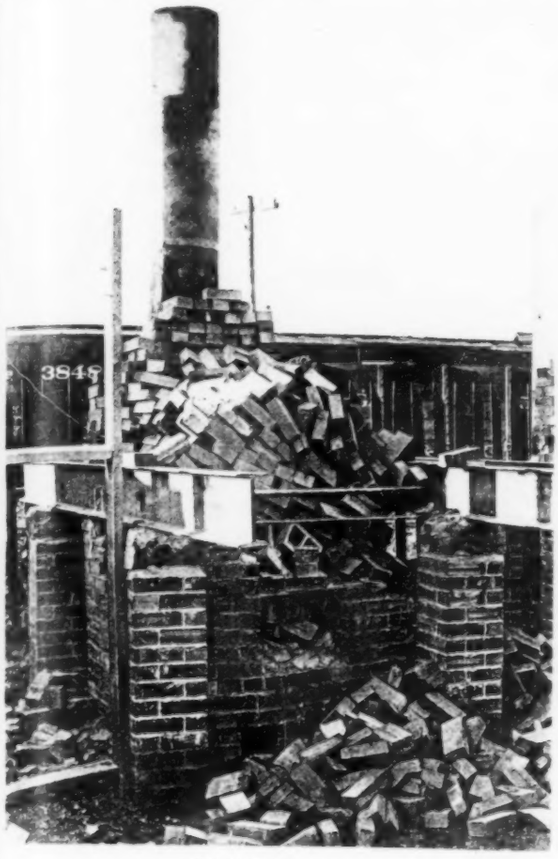

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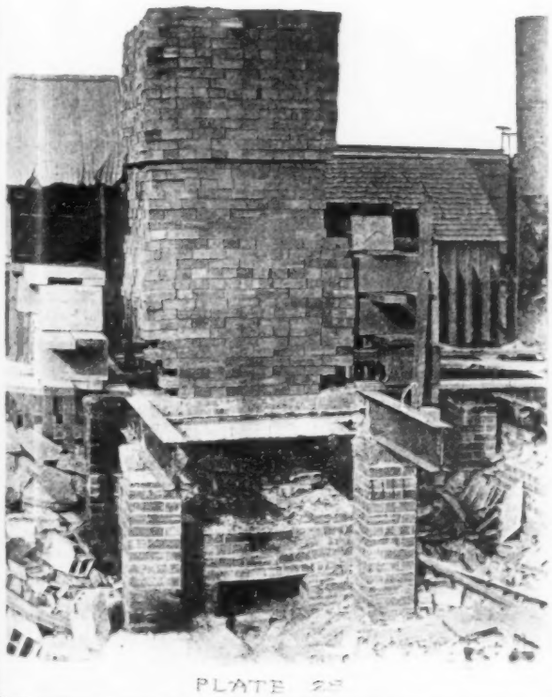

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TESTS

OF

FIREPROOF ARCHES

MADE AT BEAVER, COL.,

UNDER THE DIRECTION OF

ANDREWS,

JAQUES & RANTOUL, ARCHTS.

The American Architect and Building News

ADVERTISERS' TRADE SUPPLEMENT.

No. 103. SATURDAY, JANUARY 3, 1891. Volume XXXI. No. 784.

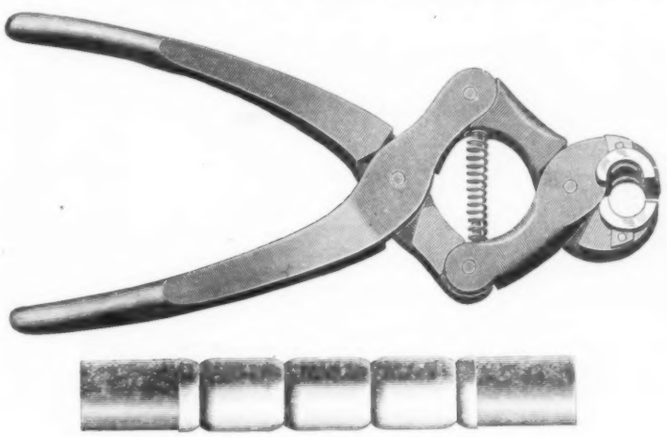
INTERIOR CONDUITS.

The superiority of the Interior Conduit system, not only for all classes of electric light wiring but for electric bell and annunciator wiring as well, over all other known methods, has been demonstrated and is now, universally conceded.

The Interior Conduit & Insulation Company, the pioneers and sole manufacturers of Interior Conduits, are continually striving to simplify the constructionary methods of their admirable system and to cheapen the cost of their goods. One of the most striking examples of their energies in this direction is to be found in their new coupling or joint which we illustrate herewith.

The greatest amount of labor expended in the installation of the system is the most vital point of the whole, that is upon the joint or coupling.

The methods heretofore employed for making joints have been found satisfactory, but in order to insure perfect work great care had to be exercised on the part of the workman, and it is with the idea of remedying this that the new coupling has been designed and placed upon the market.



New Insulating Joint and Pliers.

The new joint will supplant and entirely dispense with the use of the threading tool, threaded coupling and cementing compound. The sleeve is made of soft galvanized iron and being of a slightly larger diameter than the tube itself, fits snugly upon it. The tool, which, made in the form of a pair of pliers, serves to press the two slight corrugations upon the outside of both halves of the sleeve and into the body of tube, does not in the least injure the latter or alter its internal diameter at that point. Joints so made are impervious to moisture and have great strength.

By the new method, joints may be made upon the floor or bench and the lengths of the tubing lifted with safety to the wall or ceiling without fear of straining or opening the joints. It is confidently believed that the new tool is destined to become an important factor of every wireman's kit of tools.

INTERIOR CONDUIT AND INSULATION CO.,
NEW YORK, N. Y.

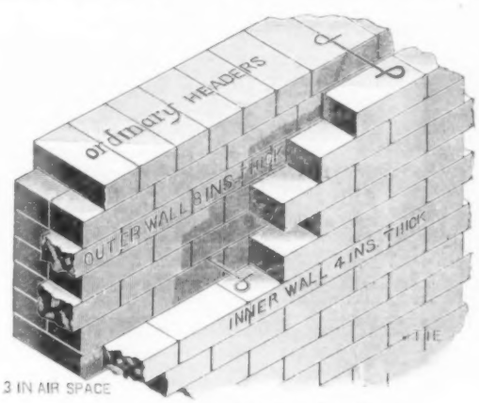
A WALL-TIE.

With the increased use of hollow, vaulted walls, there has developed among architects, contractors and builders a demand for a secure and inexpensive method of bonding — something more effectual and more to the purpose than the old-fashioned diagonal "brick headers" and of much less cost and bulk than the primitive wrought bond iron.

The Morse Patent Wire Wall-Tie supplies this demand and for the purpose of tying vaulted walls of either brick or stone, securing terra-cotta work, etc., or giving additional security to any form of masonry, it is perfect and complete.

The Morse Wall-Tie is made of $\frac{3}{16}$ inch galvanized steel wire and manufactured in lengths of 7 in. to 24 in. to suit any thickness of wall or width of vault.

To obtain the best results the Ties should be placed 32 in. longitudinally, and every five courses of 12 in. apart in height — breaking joints alternately as illustrated above.



Application of the Morse Wall Tie to Brick Masonry.

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3. They are simple in construction and their use easily understood.
4. They are applied instantly.
5. They are impervious to the effects of frost.
6. Being perfect non-conductors of moisture and dampness they insure a dry interior.
7. By their use, bricks are not broken and wasted as will necessarily occur in the fitting of diagonal "brick headers."
8. In the event of the settling of the inner wall, they will bend sufficiently to accommodate themselves to the situation without causing a fracture or "bulging" the face of the wall.

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BUILDING INTELLIGENCE.

Reported for the American Architect & Building News.

APARTMENT-HOUSES.

New York, N. Y. — *West Fourth St., No. 226*, five-st'y brick flat, tin roof; cost, $25,000; owner, Wm. H. Crawford, 145 East One Hundred and Twenty-Seventh St.; architect, Fred J. Miller, 509 Morris Ave.

One Hundred and Forty-seventh St., n w cor. Amsterdam Ave., five-st'y brick flat, tin roof; cost, $30,000; owner, Peter Lackman, 2687 Amsterdam Ave.; architect, Harry Van Beuschatin, One Hundred and Forty-fourth St. and Amsterdam Ave.

West Sixteenth St., No. 345, five-st'y brick flat, tin roof; cost, $19,000; owner, Henry W. Deane, 268 West Thirty-fourth St.; architect, M. V. B. Ferdon, 272 West Thirty-fourth St.

Park Ave., No. 1807-1809, e s, 2 five-st'y brick flats, tin roofs; cost, $4,000; owner, Wm. H. McCarthy, 1845 Madison Ave.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Sixty-Third St., n s, 200′ e Amsterdam Ave., 2 five-st'y brick flats, tin roofs; cost, $44,000; owner, Wm. Rawkin, One Hundred and Sixty-third and North River Sts.; architect, James W. Cole, 403 West Fifty-first St.

Sheriff St., No. 87, five-st'y brick flat, tin roof; cost, $20,000; owner, Fay & Stacom, 337 Pleasant Ave.; architect, Charles Rentz, 153 Fourth Ave.

One Hundred and Forty-second St., s s, 100′ w Third Ave., 4 five-st'y brick flats, tin roofs; cost, $88,000; owners, Cotter Bros., 630 East One Hundred and Thirty-eighth St.; architect, John C. Burne, 1531 Third Ave., cor. Eighty-sixth St.

Rivington St., n e cor. Cannon St., six-st'y brick flat, tin roof; cost, $63,000; owners, Peter Herter and Frank W. Herter, 101 East One Hundred and Sixteenth St.; architects, Herter Bros., 101 East One Hundred and Sixteenth St.

Seventy-second St., s s, 263′ e First Ave., 2 five-st'y brick flats, tin roofs; cost, $40,000; owner, Joseph F. Gallagher, 433 East One Hundred and Twentieth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

One Hundred and Nineteenth St., s s, 150′ e Third Ave., five-st'y brick flat, tin roof; cost, $23,000; owner, Frederick S. Moore, 264 West One Hundred and Twenty-ninth St.; architect, A. B. Ogden & Son, 1031 Madison Ave.

One Hundred and Fifteenth St., n s, 200′ w Fifth Ave., 2 five-st'y brick flats, tin roofs; cost, $36,000; owner, Lena Gebhard, 737 East One Hundred and Forty-sixth St.; architect, Fr. S. Barus, 611 East One Hundred and Fifty-first St.

FACTORIES.

Minneapolis, Minn. — John F. Wilcox, brick factory, Ramsey St., near Tenth Ave., n e; cost, $8,000.

HOUSES.

Brooklyn, N. Y.—*Linden St.*, s s, 84′ w Central Ave., three-st'y frame dwell., tin roof; cost, $4,500; owner, F. Coleman Wood, 1057 Greene Ave.; architect, Henry Vollweiler, 486 Hart St.

Linden St., s s, 100′ w Central Ave., 2 three-st'y frame dwells., tin roofs; cost, $4,500 each; owner, F. Coleman Wood, 1057 Greene Ave.; architect, Henry Vollweiler, 486 Hart St.

Elton St., e s, 100′ n Liberty Ave., three-st'y frame dwell., tin roof; cost, $3,500; owner, Charles E. Cummings, 326 Liberty Ave.; architect, A. J. Warren, 2583 Atlantic Ave.

Pacific St., n s, 70′ e Classon Ave., four-st'y brick dwell., tin roof; cost, $7,000; owner, C. C. Reynolds, 680 Halsey St.; architects, Amzi Hill & Son, 1161 Fulton St.

Garnet St., n s, 100′ w Smith St., 2 four-st'y brick dwells., tin roofs; cost, $4,500 each; owner, M. E. Conlon, 346 Fifteenth St.; architect, F. J. Conlon, 346 Fifteenth St.

West Ninth St., s s, 100′ w Smith St., 2 four-st'y brick dwells., tin roofs; cost, $4,500 each; owner, M. E. Conlon, 346 Fifteenth St.; architect, F. J. Conlon, 346 Fifteenth St.

Skillman St., w s, 160′ n DeKalb Ave., four-st'y brick dwell., tin roof; cost, $9,000; owner, John R. Woods, 573 De Kalb Ave.; architect, E. S. Selover, 41 DeKalb Ave.

Windsor Pl., n s, 77′ 10½″ w Eighth Ave., three-st'y brick dwell., tin roof; cost, $3,600; owner, Thomas Brown, 667 Tenth St.; architect, Walter A. Fischer, Fifty-fifth St. and Third Ave., New York City.

Arlington Ave., s e cor. Hendrick St., two-st'y frame dwell., shingle roof; cost, $3,000; owner, Isadore A. Warren, 2583 Atlantic Ave.; architect, A. J. Warren, 2283 Atlantic Ave.

Jefferson Ave., s s, 80′ e Tompkins Ave., 5 three-st'y brick dwells., tin roofs; cost, $10,000 each; owner, John F. Saddington, 265 Jefferson Ave.; architect, F. D. Vrooman, 256 Jefferson Ave.

Lincoln Ave., e s, 150′ w Adams Ave., 10 two-st'y frame dwells., tin roofs; cost, $1,500 each; owner, Thomas A. Welwood, Rockaway Beach, L. I.; architect, Walter H. Volkening, 7 Pine St., New York City.

New York, N. Y.— *One Hundred and Forty-first St.*, n s, 300′ e Grand Boulevard, 4 four-st'y brick dwells., tin roofs; cost, $35,000; owners, Carss & Hewlett, 17 East One Hundred and Thirty-third St. and 318 West One Hundred and Twenty-sixth St.; architect, Jno. A. Hamilton, 39 Broadway.

West End Ave., e s, from Ninety-seventh to Ninety-eighth St., 11 three-st'y brick dwells., tin and tile roofs; cost, $104,000; owner, Edw. Kilpatrick, 1060 Madison Ave.; architects, Baring & Tilton, 12 Union Square.

Seventy-sixth St., s s, 125′ w Columbus Ave., 5 four-st'y brick dwells., tin roofs; cost, $125,000; owner, Patrick Farley, 1990 Madison Ave.; architects, Thom & Wilson, 1267 Broadway.

Eighty-third St., n s, 200′ w Eighth Ave., 7 three-st'y brick dwells., tin roofs; cost, $112,000; owner, J. Livingston, 130 East Seventy-first St.; architect, F. T. Camp, 177 Broadway.

Ninety-second St., s s, bet. Ninth and Tenth Aves., 3 three-st'y dwells.; cost, $35,000; owner, James Brown; architect, G. F. Pelham.

East Fifty-sixth St., No. 1, dwell.; owner, C. C. Baldwin; architect, George B. Post.

Philadelphia, Pa.— *Winton St.*, n s, bet. Second and Fourth Sts., 18 two-st'y brick dwells.

Dutton St., w s, Morris St., two-st'y dwell.; contractor, D. S. McClure, 821 Reed St.

Dalkeith St., n Bristol St., three-st'y brick dwell.; owner, S. Rowland, 1917 Bristol St.

Oak Lane, w Seventh St., three-st'y brick dwell.; owner, H. M. Delmar, 1811 Ontario St.

Spring Garden St., e s, s Green St., 6 two-st'y brick dwells.; contractor, Wm. H. Sperry, Selig St. Roxborough, Pa.

Orthodox St., s s, e Jefferson St., two-st'y brick dwell.; owner, Christopher Keene, 1424 Susquehanna Ave.

Wright St., No. 2113, two-st'y brick dwell.; contractor, John D. Potts, 1612 North Twenty-first St.

Turner St., e s, n Butler St., 4 two-st'y brick dwells.; contractor, John Miller, 3944 North Fifth St.

Marshall St., s e cor. Indiana Ave., 8 two-st'y brick and stone dwells.; owner, James S. Kelly, 624 Erie Ave.

Bitman St., n s, w Arundel St., two-st'y dwell.; contractor, J. D. Lengel, Wayne, Delaware Co., Pa.

St. Louis, Mo. — Two-st'y brick dwell.; cost, $3,000; owner, Mary Way; contractor, E. M. Gregers.

Two-st'y brick dwell.; cost, $5,000; owner, Fred Ziegler; contractor, Christian Friel.

Two-st'y brick dwell. and store; cost, $6,800; owner, C. M. Holleday; contractor, Thos. Lowry.

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Two-st'y brick dwell.; cost, $10,000; owner, H. G. Knapp; contractor, S. L. Jones.

Two-st'y brick dwell.; cost, $6,000; owner, Mary Addis; contractor, J. Costello.

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Two two-st'y brick dwells.; cost, $14,000; owner and contractor, John Farrell.

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Brick dwell.; cost, $2,500; owners, E. Hartman & Co.; contractor, J. H. Remmers.

Two-st'y brick dwell. and store; cost, $25,000; owner, George Sauerburn; contractor, Phil Reichers.

Two-st'y brick dwell.; cost, $3,000; owner, M. Maurer; contractors, Schildman & Becker.

Three-st'y brick dwell.; cost, $12,000; owner, J. A. Speller; contractor, Jno. Low.

Two-st'y brick dwell.; cost, $2,500; owner, Julius Schwartz; contractor, L. H. Aufderheider.

Two-st'y brick dwell.; cost, $4,100; owner, H. J. Hursman; contractors, Thielker Bros.

Two-st'y brick dwell.; cost, $5,500; owner, E. J. Elmer; contractor, R. Bussen.

Two-st'y brick dwell., cost, $2,900; owner and contractor, Robert A. Holkamp.

Two-st'y brick dwell.; cost, $8,000; owner, M. Bodenheimer; contractor, A. Bauer.

MISCELLANEOUS.

St. Louis, Mo. — Two-st'y brick shop; cost, $12,000; owners, U. D. Ry. Co.; contractors, Wm. Cochrane & Son.

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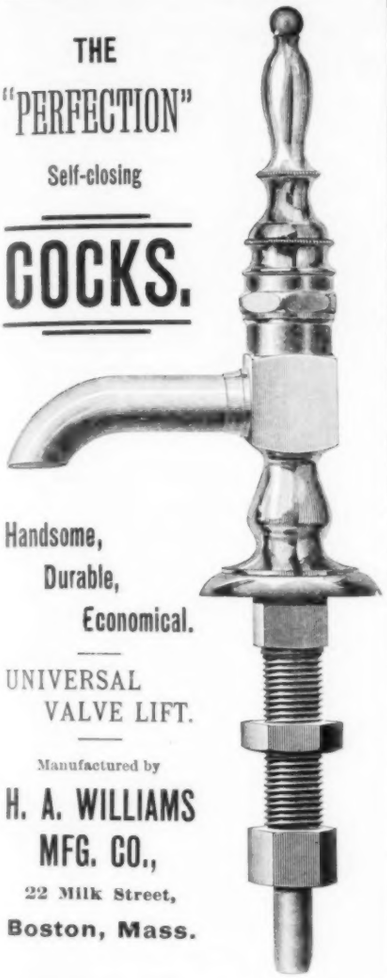

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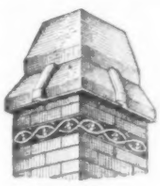

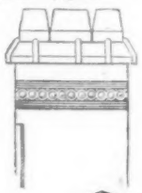

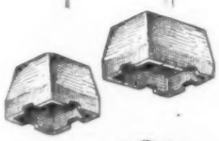

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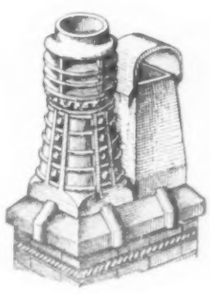

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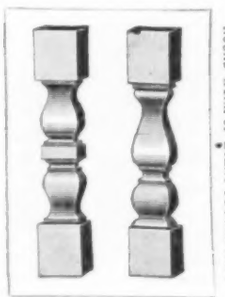

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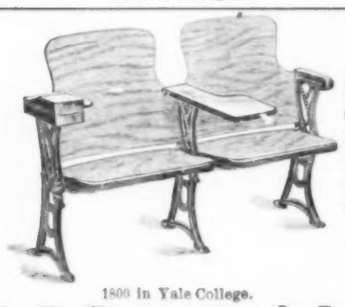

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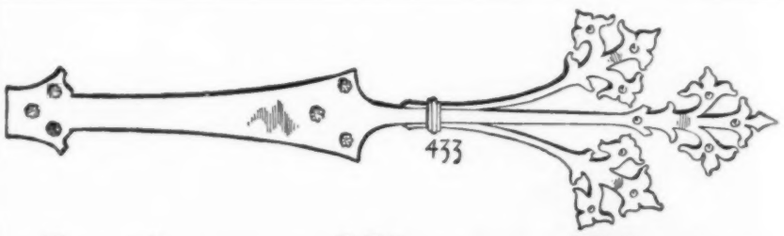

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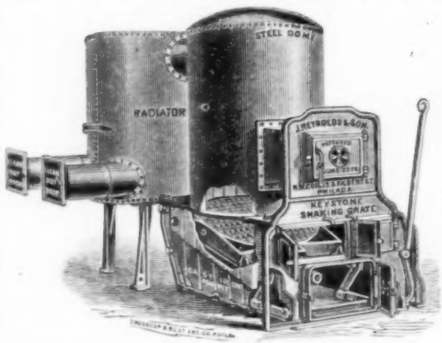

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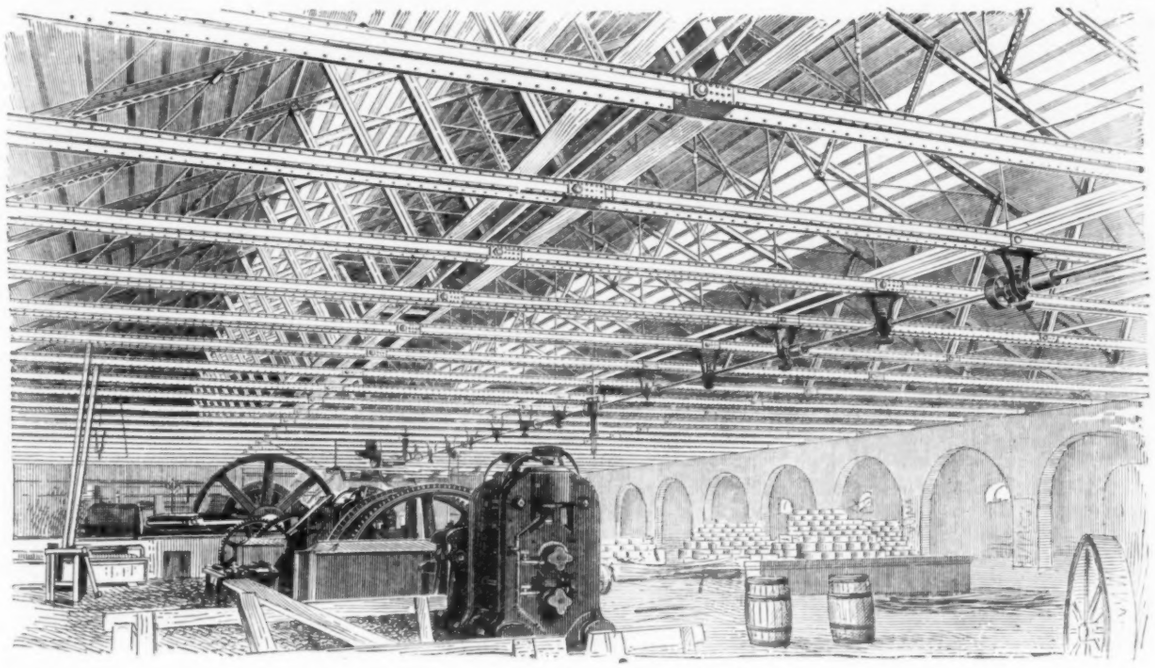
No. 104. SATURDAY, FEBRUARY 7, 1891 VOLUME XXXI. No. 789.

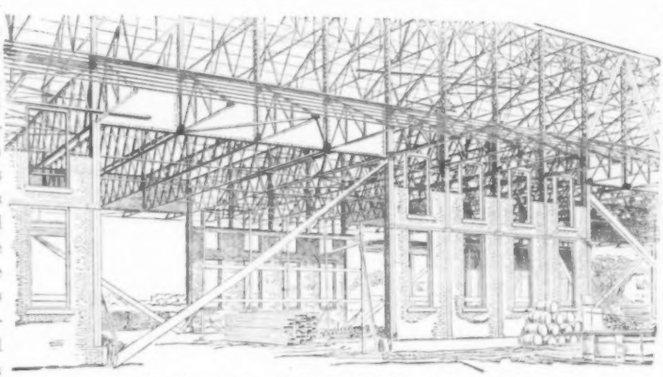
BERLIN IRON BRIDGE COMPANY.

THE construction of manufacturing buildings has now arrived at that stage in the history of this country, where it is receiving a very large amount of attention from architects. Competition among manufacturers at the present time is very severe and all are looking with closest scrutiny upon the construction and equipment of their works so as to reduce the cost of production to the absolute minimum. We, therefore, find a large number of machine-shops, factories, boiler-shops and general manufacturing buildings being constructed of iron with travelling-cranes, derricks and all kinds of appliances whereby the cost of manual labor and consequently the cost of production can be reduced. Among the pioneers in this class of work and probably the largest designers and builders of iron buildings in this country, is The Berlin Iron Bridge Company, of East Berlin, Conn. Their plant is particularly adapted for this class of work and with their superior facilities they are able to turn out over 10,000 tons per year of structural ironwork for buildings.

We present herewith illustrations of some of the iron roofs built by this well-known company. Both illustrations are taken direct from photographs. The first is an illustration of the iron truss roof built for The Coe Brass Manufacturing Company at Torrington, Conn., over their new rolling-mill. The side walls are built of brick, the building being 118 feet in width by 233 feet in length. The very wide span and in this case the extra heavy loads of shafting, rolls, etc., which it was necessary to carry from the roof, we might almost say compelled the construction of an iron roof. This is probably one of the longest span roofs that was ever built in this country for manufacturing buildings, as it is unsupported for the whole distance of 118 feet and notwithstanding the extreme span, the roof is designed for as great loads as five tons at any point on the lower chord of the truss. Owing to the extreme width of the mill, and the fact that on one side was a hill and on the opposite side a muffle building extending parallel to the rolling-mill it was necessary to light the building entirely from the roof. Extending the entire length of the roof on each side is a metal skylight which gives sufficient light, so that fine print can be easily read in the most remote corner of the building.



The Iron Truss Roof for The Coe Brass Manufacturing Company.



A Ship-Shed for The Newport News Shipbuilding & Dry-Dock Company.

The second illustration is also taken from a photograph of a building built by the same company, a ship-shed for The Newport News Shipbuilding & Dry-Dock Company at Newport News, Va. The photograph was taken during the construction of the building and shows the iron frame, the brick walls and general construction with great exactness.

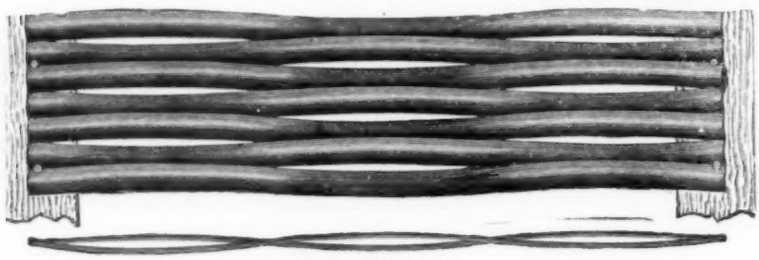
The building is sixty feet in width, 320 feet in length and two stories high — the lower floor being used for punching, drilling, planing, etc., and the second floor is used as a mould loft for laying out the contour lines of ships. On each side, every forty feet there is a wide opening so as to allow free and easy access into the building to carry in the raw material and to take out the finished product. On the outside extending entirely around the building is an overhang twelve feet in width, which protects materials stored adjacent to the walls on all four sides of the building. In the climate at Newport News it is not necessary to have any doors for the openings and consequently these are left free and uninterrupted at all seasons of the year. The supporting members of the building are entirely of iron, but between the posts a light eight-inch brick wall is laid so the building has the appearance from the outside of being made of brick. The Berlin Iron Bridge Company also furnished the other large buildings including the machine-shop, boiler-shop, and bending-shed for this Company.

The plant is said to be the finest ship building plant in the world.

THE BERLIN IRON BRIDGE CO.,
EAST BERLIN, CONN.

FIREPROOF METALLIC LATH.

OWNERS, architects and contractors, now realize that a building, to be fireproof, need not be loaded down with tile, since by the use of the "Peninsular" sheet-metal lath, the same end is attained at less cost. The architectural worth of this metallic lath is thus assured. It is absolutely fireproof, and is equally adapted for general use in the inside and outside of all buildings. It is made by the Peninsular Metal Works, Detroit, Michigan, of the best quality of sheet-metal, thoroughly protected from rust by a coat of metallic paint and furnished in sheets 24" x 48" and 28" x 48".



Fireproof Metallic Lath.

It is strong, easily handled, and there is no waste in cutting and fitting. It is put on with a common wire nail. The saving in labor is a great consideration; a workman can easily put up on walls and ceilings and cover with plaster twenty-five per cent more of this metallic lath, in the same time, than of wood lath. In plastering, there is no waste of material, and the clinch is positively perfect, requiring neither cross furring nor stretching. On ceilings, it is not necessary to force the bulk of the mortar to the back, to procure a clinch, and on side walls there is no cutting off and falling of plaster, on either side of the lath, filling up the air-space between the studdings. It will not sag, and *it is the only metal lath on which two-coat work can be done in a satisfactory manner.* It may be used on twelve or sixteen inch spacing and in either case will carry the plaster, without sagging. It also will not buckle under heat, as contraction and expansion are absolutely provided for. It readily conforms to any desired shape, and is therefore peculiarly adapted for use on mouldings, cornices, columns and capitals.

It has heretofore been impracticable to use wire lath, or many makes of metal lath, in connection with Adamant and other patent plasters, on account of the enormous amount of mortar it takes to properly cover them. But the "Peninsular" fills a "long-felt want," in this respect and is hence recommended in preference to all other makes, by all manufacturers of cement and Adamant. It takes *forty per cent less plaster to cover it, than wire lath*, and in connection with patent plasters this is a very important item.

An excellent way to remodel an old building is to lath it, on the exterior, with this fireproof metallic lath, and cover with Portland cement. A surface is produced as enduring as granite. One of the handsomest of the buildings, now being erected, eighteen stories heavenward, in Chicago, is to be finished on the interior, with Acme cement over this metallic lath. The effect will be that of pure white marble, combining economy with beauty, and the quality of being perfectly fireproof. Prominent architects, contractors and decorative plasterers, throughout the country, have given, unsolicited, strong testimony of the merits of this lath, which has been used in the handsomest of the modern buildings, East and West. The office and works of the Peninsular Metal Works are corner of Lincoln Avenue and Railroad, Detroit, Mich.

PENINSULAR METAL WORKS,
DETROIT, MICH.

FIRE-CRACKS IN PLASTERING.

DURING many years of experience in manufacturing plastering materials, we have been repeatedly asked by our patrons if there is not some way of avoiding the so-called "fire cracks" in hard-finished walls and ceilings. After many expensive experiments, we have at last discovered a material, in our superfine Windsor cement, at about the same cost as the ordinary plaster-of-Paris and lime putty, that completely overcomes all these objections, and at the same time makes a very much harder wall.

The cause of "fire cracking" on plastering is due to the impossibility of combining in the proper proportions two materials of such a fiery nature as plaster-of-Paris and lime putty, as in making the best quality of hard finish it is impossible to use more than one barrel of plaster to eight of lime, and the quantity of plaster cannot be increased without causing a "roughening-up" (as it is called by plasterers) under the trowel, therefore making it impracticable to work, and the result is that the lime putty is so thoroughly expanded by disintegration and moisture that when the work comes to dry-out it necessarily causes contraction, and the lack of body, or substance, causes the "fire cracks."

Owing to the great affinity of our Windsor cement for lime, this obstacle is completely overcome, and there is not the slightest difficulty in working two-thirds of cement to one-third of lime putty, thereby making not only a very hard surface, but producing a dense material which is capable of taking a polish equal to the imported Keene cement, and we can point with pride to some imitations of tile-work done with this material, in some of the best houses in this vicinity, that justifies the claim.

J. B. KING & CO.,
NEW YORK, N. Y.

THE new Metropolitan Opera House at St. Paul, Minn., has just been opened and is heated by the Huyett & Smith hot blast system, and, although the auditorium is in use, the balance of the building, which will consist largely of offices, is not yet completed.

HUYETT & SMITH MFG. CO.,
DETROIT, MICH.

NOTES.

DURING the past year Vaile & Young have erected a four-story warehouse at No. 216 North Calvert Street, Baltimore, which they are now occupying, and is another addition to the improvements lately made in that locality. The building covers a lot 30 x 100 feet, and is a handsome and substantial structure of brick and stone, with copper cornice and balustrade, the treatment of architecture being Romanesque. Messrs. Baldwin & Pennington were the architects, and Messrs. S. H. & J. F. Adams, the builders. The steadily increasing demand for their patent metallic skylight, which is a system of glazing without putty, has necessitated new and larger quarters, with improved machinery and facilities. Theirs is distinctly a home invention and manufacture, and the demand for it, coming from all parts of the country, is creditable to the enterprise and skill of Baltimore manufacturers. Among the shipments they have lately made is one for a large order to Nebraska, for the Chicago, Burlington and Quincy Railroad.

BRADLEY & CO., Syracuse, N. Y., manufacturers of the "Bradley Wagons" have used West's Original Entry Ledger and Self-Proving Balance for eight years. This long experience with this system leads them to give it their unqualified endorsement. After having a ledger always posted and showing the items without referring to other books, any other method would be unsatisfactory. They say also that it is very economical, requiring only a minimum expenditure of labor. No manufacturer or merchant can afford to "keep books" without it.

Three two-cent stamps sent to Wolcott & West, Syracuse, N. Y., will entitle the sender to an illustrated pamphlet, sample rulings, descriptive price-list, etc.

OWING to a miscarriage in the mails the advertisement of the Luitink & Sons' Manufacturing Co., upon page iii, had to be published for a few weeks without its illustrating cut. The loss has since been made good and architects can, on examination, form an idea of the character of a new door-hanger which is believed to be peculiarly adapted for use in any building where there is reason to fear any settlement or shrinkage which will throw the bearings out of plumb. The hanger is constructed so as to close the doors tight and evenly at the meeting line and also to hang flush and plumb with the jamb when open, under all circumstances.

OUR readers who have become familiar with the advertisement of Sayer & Co., upon page xiii, need not be puzzled by the disappearance from the advertisement of the familiar name and the substitution for it of the name "The Rider Engine Co." It simply means that Messrs. Sayer & Co., who were formerly agents for the sale of the useful Rider hot-air pumping-engine have now become officers of the Company — a fact which of itself is proof of the success of their efforts in the past.

(*Continued on page 7.*)

"That sterling publication, the 'AMERICAN ARCHITECT.'"—

A BUSH FOR A GOOD WINE.

THE saying "a good wine needs no bush" is true so long only as the wine is *cheap;* when it is expensive as in the case of "Piper Heidsick," "Veuve Cliquot," etc., proprietors find it necessary to hang out big bushes in the form of advertisements. For the same reason we find it desirable to impress upon architects the merits of the INTERNATIONAL EDITION of the "*American Architect.*"

We admit that the subscription price to the INTERNATIONAL EDITION *is* large but maintain, on the other hand, that that edition is exceptionally good and is well worth its cost.

We do not think it unreasonable for an architect to decline to subscribe for that edition because he cannot afford to do so. We do, however, take exception to two statements that some architects have made.

First. That the INTERNATIONAL EDITION is "not worth its subscription price."

Second. That "for the same amount of money they can procure better material."

The first statement is made by people who are wholly ignorant of the manufacturing-cost of books, and so needs no answer. The second statement, as it is usually accompanied with particulars as to the "more desirable" material, has led us to examine the matter in detail.

The following tabulation compares the INTERNATIONAL EDITION with a "Combination" composed of the four American Architectural Journals which, we think, would be most likely from considerations of cost, bulk and character of contents to be subscribed for in substitution.

			TEXT.		ILLUSTRATIONS.												
	Price.	Weight in lbs.	Pages of Text.	Words of Text (computed without allowance for cuts).	No. of Subjects (Full page).	Cuts in Text pp.	Photo-Lith.	Half-tone.	Gelatine.	Grano-chrome.	Helio-chrome.	Photogravure.	Etching.	Engraving.	Aquareltype.	Total Illustrations. (Full page.)	No. of Display Advert'nts.[10]
No. I. (Weekly)	6.00	21½	670[1]	1,193,940	282	328	485	12	0	0	0	0	0	0	0	**497**	208
No. II. (Monthly)	8.00	10½	186[2]	469,092	184	67	95	3	86	0	0	0	0	0	0	**184**	174
No. III (Monthly)	8.00	9	120[3]	255,840	140	22	72	0	73	0	0	0	0	0	0	**145**	131
No. IV. (Monthly)	5.00	5	150[4]	463,600	55	40	0	0	55	0	0	0	0	0	0	**55**	102
Actual Totals,	27.00	46	1126	2,372,472	661	457[5]	652	15	214	0	0	0	0	0	0	**881**	
							Total,	667									
Deducted .074 per cent for comparison.	25.00	43½	1042	2,196,909[9]	612	423	603	14	198							**815**	
International	25.00	38	816	1,651,584[7]	[illegible]	[illegible]	452	290	150	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	255
							Total,	[illegible]						Tot'l	[illegible]		

[1] Including two "double numbers." Includes also "reading notices."
[2] Including one "extra number." Includes "reading notices" and building items.
[3] Has no "reading notices" on text pages.
[4] Has "reading notices" and advertisements in text pages.
[5] Mainly plans and diagrams.
[6] Not including 279 cuts published on Page X of the advertising pages.
[7] Contains no "reading notices," building items or advertisements in the text pages.
[8] All illustrations are here stated as equivalents of single-pages.
[9] 200,000 words "reading-notice" matter should be substracted.
[10] Contained in first issues for July.

In order to afford a really fair comparison we have added a line to the table to show what would be the contents of the "Combination" if the price were as low as that of the INTERNATIONAL EDITION.

Subject.	Combination. No. I.	No. II.	No. III.	No. IV.	Total.	International.
Houses,	75	66	54	39	**234**	**157**
Details,	69	7	18	2	**96**	
Interiors,	16	22	29	10	**77**	**71**
Churches,	22	12	7	1	**42**	
Schools,	20[4]	3	3	0	**26**	**15**
Sketches,[1]	12	11	0	0	**23**	
Office-Buildings,	11	7	4	0	**22**	
Stores,	5	2	5	0	**12**	**12**
Banks,	6	4	1	0	**11**	
Gates and Lodges,	4	3	1	2	**10**	**2**
Exchanges,	9	0	0	0	**9**	**2**
Hotels,	3	3	3	0	**9**	
City-halls,	1	7	1	0	**9**	**9**
Stables,	1	7	1	0	**9**	**5**
Club-houses,	1	4	1	2	**8**	
Railroad Stations,	1	6	0	0	**7**	
Furniture,	3	0	2	1	**6**	**4**
Cathedrals,	6	0	0	0	**6**	
Apartment-houses,	3	1	2	0	**6**	
Asylums,	2	2	0	1	**5**	**3**
Libraries,	1	1	2	0	**4**	**4**
Baths,	2	1	0	0	**3**	**3**

Subject.	Combination. No. I.	No. II.	No. III.	No. IV.	Total.	International.
College Buildings,	0	3	0	0	**3**	
Towers,	2	0	0	0	**2**	
Insurance Buildings,	1	0	0	1	**2**	**2**
Factories,	0	1	0	1	**2**	**1**
Court-houses,	0	1	1	0	**2**	**1**
Theatres,	1	0	0	0	**1**	
Hospitals,	1	0	0	0	**1**	
Power-houses,	1	0	0	0	**1**	**1**
Châteaux,	0	1	0	0	**1**	
Warehouses,	0	1	1	0	**2**	
Monuments,	0	0	1	0	**1**	
Police-stations,	0	0	1	0	**1**	
Statues,	0	3	0	0	**3**	
White House,	1	0	0	0	**1**	**1**
Temples,	1	0	0	0	**1**	**0**
Grand Stands,	1	0	0	0	**1**	**0**
Music-hall,	1	0	0	0	**1**	**0**
Mission House,	1	0	0	0	**1**	**0**
Smithy,	0	6	0	0	**6**	**0**
Medals,	0	1	0	0	**1**	**0**
Casino,	0	0	1	0	**1**	**0**

Subject.	Combination.	International.	Subject.	Combination.	International.	Subject.	Combination.	International.	Subject.	Combination.	International.
Scotch Baronial	0		Restaurants	0		Parlor-car	0		Conservatory	0	
Views [2]	0		Museums	0		Arsenal	0		Parish Hall	0	
Decoration	0		Draperies	0		Drill-hall	0		Column	0	
Sculpture	0		Fountains	0		Barracks	0		Laundry	0	
Government Buildings	0		Fair Entrances	0		Market-house	0		Cross	0	
Tombs	0		Town Gates	0		Post-office	0		Balloon	0	
Altars [3]	0		Ruins	0		Jail	0		Exhibition	0	
Pictures	0		Dormitories	0		Odd Fellows Hall	0		Archæological	0	
Stained Glass	0		Gymnasium	0		Observatory	0				

[1] May be a single sketch or a dozen on one page.
[2] Street and other.
[3] Including Pulpits and Fonts.
[4] Including one "double number" specifically devoted to schools.

In these tables the items where the comparison is in favor of the International Edition are printed in red.

The most important of these points is that, while the International Edition contained *only* 99 more pages of illustrations, it showed 145 more *subjects* than the "Combination."

The second point is, that the 457 text-cuts in the "Combination," being mainly plans and diagrams, have no real point of comparison with the value and quality of the 1,043 cuts in the International Edition.

The third point is, that while the "Combination" exhibited only 7 classes of subjects unrepresented in the International Edition, the latter exhibited 35 classes unrepresented in the former.

The fourth point is, that when the same subjects have been reproduced in the International Edition and in the "Combination," the reproductions in the former are in every case better prints.

The fifth point is, that in the "Combination" foreign architecture is practically unrepresented so that those who desire foreign work must subscribe for foreign journals and so add considerably to the "Combination" price.

The sixth point is, that 68 of the International illustrations have no counterpart in the "Combination" as they are the results of six reproductive processes which the "Combination" does not employ.

TICKNOR & COMPANY, PUBLISHERS,

211 Tremont Street,

January, 1891. Boston, Mass.

Both Sides of an International Issue.

Respectfully Submitted for Arbitration.

NEW YORK, Nov. 21, 1890.

"I have not found the foreign plates in the INTERNATIONAL EDITION of any great value. In fact as regards some of them — more often the English — I have been rather surprised that they found a place in such a selection."

R. W. GIBSON, *Architect.*

BOSTON, Nov. 26, 1890.

"Nine-tenths of the plates you produce from the German publications are worse than worthless to me."

W. E. CHAMBERLIN, *Architect.*

KNOXVILLE, TENN., Dec. 5, 1890.

"Their paper has never yet come up to what they promised in their prospectus."

W. CHAMBERLIN, *Architect.*

NEWARK, N. Y., Dec. 1, 1890.

"You can send me the Imperial edition for 1891, as I do not think the INTERNATIONAL is worth the difference of $15.00."

W. F. ZIMMERMANN, *Architect.*

NEW YORK, Oct. 27, 1890.

"I think (and this with due deference to the judgment of the editors and publishers who understand their business much better than I do) that it seems a questionable policy to have unduly whetted the appetites of readers with as glowing and elaborate a prospectus as I remember this particular one to have been."

EMIL GINSBERGER, *Architect.*

NEW YORK CITY, Dec. 29, 1890.

"After a year's trial I find, as I expected I should, that while the illustrations of your INTERNATIONAL EDITION, make it, doubtless, worth its price to young — or indeed to any — practitioners, who take nothing else; I, as an individual, gain nothing more from it than from either of your other editions, for what I most value in your issue is its literary quality and its evident intent — however modified (perhaps unconsciously) by its provincial atmosphere — to be helpful and judicial in its relations to architects."

A. J. BLOOR, *Architect.*

LOUISVILLE, KY., March 1, 1890.

"I must frankly admit, that to judge from the first numbers, the results did not meet my expectations in regard to the title 'INTERNATIONAL.' I expected to find the latest designs about French and German competitions, etc., Romanesque work, sketches from Provence and Normandy. . . . For good buildings, as stores, and large, fine dwellings, etc., I could name Cologne and Berlin; for fine monumental buildings, Vienna, with its unsurpassed Ringstrasse."

C. H. RAU.

PHŒNIXVILLE, PA., Dec. 10, 1890.

"In sending you the enclosed notice for a discontinuance of my subscription to the *American Architect* (IMPERIAL EDITION), permit me to express my hearty appreciation of its weekly visits during the 13 years past."

AMORY COFFIN, *Chief Engineer Phœnix Iron Co.*

NEW YORK, Nov. 17, 1890.

"We appreciate them highly. Perhaps most of all we enjoy the good modern English work — although it is hard to choose."

JOHN BEVERLEY ROBINSON, *Architect.*

CENTRAL FALLS, R. I., Dec. 18, 1890.

"Would say further that I consider your efforts in this direction a decided success. The French and German work as well as some of the other foreign works I consider very valuable, to the younger members of the profession in particular."

ALBERT H. HUMES, *Architect.*

DALLAS, TEXAS, Dec. 11, 1890.

"I am happy to state that the INTERNATIONAL EDITION is fully up to my ideas and anticipations."

G. W. STEWART, *Architect.*

UNIVERSITY OF ILLINOIS, URBANA, ILL., Dec. 22, 1890.

"In renewing my subscription to the *American Architect*, I am glad to say that the INTERNATIONAL EDITION for 1890 has been very satisfactory, and that I consider it hardly possible to obtain such good value for an equal sum expended in purchasing professional journals or books."

N. CLIFFORD RICKER, *Professor of Architecture.*

PITTSBURGH, PA., Nov. 18, 1890.

"You will please continue my subscription for the INTERNATIONAL EDITION for the coming year. Am very much pleased with it, and consider it well worth the price."

FRANK M. SNYDER.

NEW YORK CITY, Dec. 31, 1890.

"I would not be without your journal (INTERNATIONAL EDITION) at $50.00."

GEO. H. BUDLONG, *Architect.*

[At a later date (see the *American Architect* for Nov. 15th), we showed at length that the statements of this "elaborate prospectus" had been *more* than fulfilled.— EDITORS AMERICAN ARCHITECT.]

BROOKLYN, N. Y., Jan. 2, 1891.

"Please find enclosed my $25.00 check for the year's (1891) subscription to your most excellent journal, which, with a long acquaintance of almost all others in Europe, I have come to most deservedly esteem."

JOHN WELCH, *Architect.*

OGDEN, U. T., Dec. 16, 1890.

"Among the many architectural papers I take, I consider the INTERNATIONAL the best, and trust that during the coming year it will be equally interesting."

W. W. FIFE, *Architect.*

[These rather premature criticisms would probably not have been made at a later date, as the INTERNATIONAL EDITION subsequently contained a considerable number of the subjects which the complainant specifically desired.— EDITORS AMERICAN ARCHITECT.]

HOLYOKE, MASS., Dec. 15, 1890.

"Keep on sending me the INTERNATIONAL EDITION until you think you have a better one (an 'Inter-planetary,' for instance), and oblige, as for 14 years past."

T. W. MANN, *Architect.*

The American Architect and Building News

—FOR 1891.—

During the coming year the publication of the following Serial Papers will be continued, and in some cases completed: "Safe Building," by Mr. Berg; "Ancient Architecture for Students," by Mr. Gambier-Bousfield; "Architectural Shades and Shadows," by Prof. Hamlin; and the papers on "Equestrian Monuments." All of these papers are fully illustrated, and their character well understood.

We have also been given to understand that it will be possible to resume publication of the following interrupted serial papers: "Architect, Builder and Client before the Law," by Mr. T. M. Clark, and "Old Colonial Work in Virginia," by Mr. A. B. Bibb, with illustrations.

New Matter will be Represented by the following Serial Papers:

"The Life and Works of Emanuel Fremiet, Sculptor."

By Truman H. Bartlett, Sculptor.

Mr. Bartlett has enjoyed the friendship of his subject for many years, and while he judges with discretion, infuses into his criticism the warmth of friendship. An unusual number of illustrations will add interest to these papers, many of them showing work which is quite unknown even to those well informed as to modern sculpture.

"American Construction through English Eyes."

Under this heading will be published the observations on our methods of building made by Mr. A. Arthur Cox, holder of the Godwin Bursary, who has travelled widely in this country, and has taken copious notes with pen and pencil of whatever seemed merely curious, or valuable and unknown to English architects.

"Construction."

The most useful article in Viollet-le-Duc's "*Dictionnaire Raisonnée de l' Architecture*" is the long and elaborately illustrated article "Construction." A translation of this valuable fragment by Mr. George Martin Huss, will be published with all the illustrating diagrams and cuts.

"Comparative Municipal Building Laws."

A Digest of the Building Laws, in use at present in the following cities, in tabular form, compared, collated and arranged for easy reference, by Mr. Henry A. Phillips, will form a *vade mecum* for Architects who often have to carry on building operations under many different regulations at the same time:

Baltimore, Md.	Cleveland, O.	Louisville, Ky.	Newark, N. J.	Pittsburgh, Pa.
Boston, Mass.	Denver, Col.	Memphis, Tenn.	New Orleans, La.	Providence, R. I.
Brooklyn, N. Y.	Dis. of Columbia.	Milwaukee, Wis.	New York, N. Y.	San Francisco, Cal.
Charleston, S. C.	Detroit, Mich.	Minneapolis, Minn.	Omana, Neb.	St. Louis, Mo.
Chicago, Ill.	Kansas City, Mo.	Nashville, Tenn.	Philadelphia, Pa.	Wilmington, Del.
Cincinnati, O.				

"Another Architectural Knockabout."

By Mr. F. L. V. Hoppin.

With its many architectural and some humorous illustrations, may be counted upon to enliven, with its chatty description of student travel in Spain and Africa, the sobriety of ordinary professional discussion.

The Illustrations

Will in quantity and variety be the same as during the past year, while the quality will, so far as it rests with us, continue to improve.

Subscriptions.

International Edition, *in advance,*	**$25.00**
" " **quarterly payment,** *in advance,*	**26.00**
Imperial Edition, *in advance,*	**10.00**
Regular Edition, *in advance,*	**6.00**

Club Rates furnished on application.

TICKNOR & CO., Publishers,

211 Tremont Street, Boston, Mass.

"That sterling publication, the 'AMERICAN ARCHITECT.'"—

A BUSH FOR A GOOD WINE.

THE saying "a good wine needs no bush" is true so long only as the wine is *cheap;* when it is expensive as in the case of "Piper Heidsick," "Veuve Cliquot," etc., proprietors find it necessary to hang out big bushes in the form of advertisements. For the same reason we find it desirable to impress upon architects the merits of the INTERNATIONAL EDITION of the "*American Architect.*"

We admit that the subscription price to the INTERNATIONAL EDITION *is* large but maintain, on the other hand, that that edition is exceptionally good and is well worth its cost.

We do not think it unreasonable for an architect to decline to subscribe for that edition because he cannot afford to do so. We do, however, take exception to two statements that some architects have made.

First. That the INTERNATIONAL EDITION is "not worth its subscription price."

Second That "for the same amount of money they can procure better material."

The first statement is made by people who are wholly ignorant of the manufacturing-cost of books, and so needs no answer. The second statement, as it is usually accompanied with particulars as to the "more desirable" material, has led us to examine the matter in detail.

The following tabulation compares the INTERNATIONAL EDITION with a "Combination" composed of the four American Architectural Journals which, we think, would be most likely from considerations of cost, bulk and character of contents to be subscribed for in substitution.

			TEXT.		ILLUSTRATIONS.												
	Price.	Weight in lbs.	Pages of Text.	Words of Text (computed without allowance for cuts).	No. of Subjects (Full page).	Cuts in Text pp.	Photo-Lith.	Half-tone.	Gelatine.	Grano-chrome.	Helio-chrome.	Photogravure.	Etching.	Engraving.	Aquareltype.	Total Illustrations. (Full page.)	No. of Display Advert'nts.[10]
No. I. (Weekly)	6.00	21½	670[1]	1,193,940	282	328	485	12	0	0	0	0	0	0	0	**497**	208
No. II. (Monthly)	8.00	10½	186[2]	469,092	184	67	95	3	86	0	0	0	0	0	0	**184**	174
No. III (Monthly)	8.00	9	120[3]	255,840	140	22	72	0	73	0	0	0	0	0	0	**145**	131
No. IV. (Monthly)	5.00	5	150[4]	463,600	55	40	0	0	55	0	0	0	0	0	0	**55**	102
Actual Totals,	27.00	46	1126	2,372,472	661	457[5]	652	15	214	0	0	0	0	0	0	**881**	
							Total,	667									
Deducted .074 per cent for comparison.	25.00	43½	1042	2,196,909[9]	612	423	603	14	198							**815**	
International	25.00	38	816	1,651,584[7]	[illegible]	[illegible]	452	290	150	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	255
							Total,	[illegible]						Tot'l	[illegible]		

[1] Including two "double numbers." Includes also "reading notices."
[2] Including one "extra number." Includes "reading notices" and building items.
[3] Has no "reading notices" on text pages.
[4] Has "reading notices" and advertisements in text pages.
[5] Mainly plans and diagrams.
[6] Not including 279 cuts published on Page X of the advertising pages.
[7] Contains no "reading notices," building items or advertisements in the text pages.
[8] All illustrations are here stated as equivalents of single-pages.
[9] 200,000 words "reading-notice" matter should be substracted.
[10] Contained in first issues for July.

In order to afford a really fair comparison we have added a line to the table to show what would be the contents of the "Combination" if the price were as low as that of the INTERNATIONAL EDITION.

SUBJECT.	COMBINATION. No. I.	No. II.	No. III.	No. IV.	Total.	International.
Houses,	75	66	54	39	**234**	**157**
Details,	69	7	18	2	**96**	
Interiors,	16	22	29	10	**77**	**71**
Churches,	22	12	7	1	**42**	
Schools,	20[4]	3	3	0	**26**	**15**
Sketches,[1]	12	11	0	0	**23**	
Office-Buildings,	11	7	4	0	**22**	
Stores,	5	2	5	0	**12**	**12**
Banks,	6	4	1	0	**11**	
Gates and Lodges,	4	3	1	2	**10**	**2**
Exchanges,	9	0	0	0	**9**	
Hotels,	3	3	3	0	**9**	
City-halls,	1	7	1	0	**9**	**9**
Stables,	1	7	1	0	**9**	**5**
Club-houses,	1	4	1	2	**8**	
Railroad Stations,	1	6	0	0	**7**	
Furniture,	3	0	2	1	**6**	**4**
Cathedrals,	6	0	0	0	**6**	
Apartment-houses,	3	1	2	0	**6**	
Asylums,	2	2	0	1	**5**	**3**
Libraries,	1	1	2	0	**4**	**4**
Baths,	2	1	0	0	**3**	**3**

SUBJECT.	COMBINATION. No. I.	No. II.	No. III.	No. IV.	Total.	International.
College Buildings,	0	3	0	0	**3**	
Towers,	2	0	0	0	**2**	
Insurance Buildings,	1	0	0	1	**2**	**2**
Factories,	0	1	0	1	**2**	**1**
Court-houses,	0	1	1	0	**2**	**1**
Theatres,	1	0	0	0	**1**	
Hospitals,	1	0	0	0	**1**	
Power-houses,	1	0	0	0	**1**	**1**
Châteaux,	0	1	0	0	**1**	
Warehouses,	0	1	1	0	**2**	
Monuments,	0	0	1	0	**1**	
Police-stations,	0	0	1	0	**1**	
Statues,	0	3	0	0	**3**	
White House,	1	0	0	0	**1**	**1**
Temples,	1	0	0	0	**1**	**0**
Grand Stands,	1	0	0	0	**1**	**0**
Music-hall,	1	0	0	0	**1**	**0**
Mission House,	1	0	0	0	**1**	**0**
Smithy,	0	6	0	0	**6**	**0**
Medals,	0	1	0	0	**1**	**0**
Casino,	9	0	1	0	**1**	**0**

SUBJECT.	Combination.	International.	SUBJECT.	Combination.	International.	SUBJECT.	Combination.	International.	SUBJECT.	Combination.	International.
Scotch Baronial	0		Restaurants	0		Parlor-car	0		Conservatory	0	
Views [2]	0		Museums	0		Arsenal	0		Parish Hall	0	
Decoration	0		Draperies	0		Drill-hall	0		Column	0	
Sculpture	0		Fountains	0		Barracks	0		Laundry	0	
Government Buildings	0		Fair Entrances	0		Market-house	0		Cross	0	
Tombs	0		Town Gates	0		Post-office	0		Balloon	0	
Altars [3]	0		Ruins	0		Jail	0		Exhibition	0	
Pictures	0		Dormitories	0		Odd Fellows Hall	0		Archæological	0	
Stained Glass	0		Gymnasium	0		Observatory	0				

[1] May be a single sketch or a dozen on one page.
[2] Street and other.
[3] Including Pulpits and Fonts.
[4] Including one "double number" specifically devoted to schools.

In these tables the items where the comparison is in favor of the INTERNATIONAL EDITION are printed in red.

The most important of these points is that, while the INTERNATIONAL EDITION contained *only* 99 more pages of illustrations, it showed 145 more *subjects* than the "Combination."

The second point is, that the 457 text-cuts in the "Combination," being mainly plans and diagrams, have no real point of comparison with the value and quality of the 1,043 cuts in the INTERNATIONAL EDITION.

The third point is, that while the "Combination" exhibited only 7 classes of subjects unrepresented in the INTERNATIONAL EDITION, the latter exhibited 35 classes unrepresented in the former.

The fourth point is, that when the same subjects have been reproduced in the INTERNATIONAL EDITION and in the "Combination," the reproductions in the former are in every case better prints.

The fifth point is, that in the "Combination" foreign architecture is practically unrepresented so that those who desire foreign work must subscribe for foreign journals and so add considerably to the "Combination" price.

The sixth point is, that 68 of the INTERNATIONAL illustrations have no counterpart in the "Combination" as they are the results of six reproductive processes which the "Combination" does not employ.

TICKNOR & COMPANY, PUBLISHERS,

211 TREMONT STREET,

BOSTON, MASS.

January, 1891.

Both Sides of an International Issue.

Respectfully Submitted for Arbitration.

NEW YORK, Nov. 21, 1890.

"I have not found the foreign plates in the INTERNATIONAL EDITION of any great value. In fact as regards some of them — more often the English — I have been rather surprised that they found a place in such a selection." R. W. GIBSON, *Architect.*

BOSTON, Nov. 26, 1890.

"Nine-tenths of the plates you produce from the German publications are worse than worthless to me." W. E. CHAMBERLIN, *Architect.*

KNOXVILLE, TENN., Dec. 5, 1890.

"Their paper has never yet come up to what they promised in their prospectus." W. CHAMBERLIN, *Architect.*

NEWARK, N. Y., Dec. 1, 1890.

"You can send me the Imperial edition for 1891, as I do not think the INTERNATIONAL is worth the difference of $15.00."
W. F. ZIMMERMANN, *Architect.*

NEW YORK, Oct. 27, 1890.

"I think (and this with due deference to the judgment of the editors and publishers who understand their business much better than I do) that it seems a questionable policy to have unduly whetted the appetites of readers with as glowing and elaborate a prospectus as I remember this particular one to have been." EMIL GINSBERGER, *Architect.*

NEW YORK CITY, Dec. 29, 1890.

"After a year's trial I find, as I expected I should, that while the illustrations of your INTERNATIONAL EDITION, make it, doubtless, worth its price to young — or indeed to any — practitioners, who take nothing else; I, as an individual, gain nothing more from it than from either of your other editions, for what I most value in your issue is its literary quality and its evident intent — however modified (perhaps unconsciously) by its provincial atmosphere — to be helpful and judicial in its relations to architects." A. J. BLOOR, *Architect.*

LOUISVILLE, KY., March 1, 1890.

"I must frankly admit, that to judge from the first numbers, the results did not meet my expectations in regard to the title 'INTERNATIONAL.' I expected to find the latest designs about French and German competitions, etc., Romanesque work, sketches from Provence and Normandy. . . . For good buildings, as stores, and large, fine dwellings, etc., I could name Cologne and Berlin; for fine monumental buildings, Vienna, with its unsurpassed Ringstrasse."
C. H. RAU.

PHŒNIXVILLE, PA., Dec 10, 1890.

"In sending you the enclosed notice for a discontinuance of my subscription to the *American Architect* (IMPERIAL EDITION), permit me to express my hearty appreciation of its weekly visits during the 13 years past." AMORY COFFIN, *Chief Engineer Phœnix Iron Co.*

NEW YORK, Nov. 17, 1890.

"We appreciate them highly. Perhaps most of all we enjoy the good modern English work — although it is hard to choose."
JOHN BEVERLEY ROBINSON, *Architect.*

CENTRAL FALLS, R. I., Dec. 18, 1890.

"Would say further that I consider your efforts in this direction a decided success. The French and German work as well as some of the other foreign works I consider very valuable, to the younger members of the profession in particular."
ALBERT H. HUMES, *Architect.*

DALLAS, TEXAS, Dec. 11, 1890.

"I am happy to state that the INTERNATIONAL EDITION is fully up to my ideas and anticipations." G. W. STEWART, *Architect.*

UNIVERSITY OF ILLINOIS, URBANA, ILL., Dec. 22, 1890.

"In renewing my subscription to the *American Architect*, I am glad to say that the INTERNATIONAL EDITION for 1890 has been very satisfactory, and that I consider it hardly possible to obtain such good value for an equal sum expended in purchasing professional journals or books."
N. CLIFFORD RICKER, *Professor of Architecture.*

PITTSBURGH, PA., Nov. 18, 1890.

"You will please continue my subscription for the INTERNATIONAL EDITION for the coming year. Am very much pleased with it, and consider it well worth the price." FRANK M. SNYDER.

NEW YORK CITY, Dec. 31, 1890.

"I would not be without your journal (INTERNATIONAL EDITION) at $50.00." GEO. H. BUDLONG, *Architect.*

[At a later date (see the *American Architect* for Nov. 15th), we showed at length that the statements of this "elaborate prospectus" had been *more* than fulfilled.— EDITORS AMERICAN ARCHITECT.]

BROOKLYN, N. Y., Jan. 2, 1891.

"Please find enclosed my $25.00 check for the year's (1891) subscription to your most excellent journal, which, with a long acquaintance of almost all others in Europe, I have come to most deservedly esteem."
JOHN WELCH, *Architect.*

OGDEN, U. T., Dec. 16, 1890.

"Among the many architectural papers I take, I consider the INTERNATIONAL the best, and trust that during the coming year it will be equally interesting." W. W. FIFE, *Architect.*

[These rather premature criticisms would probably not have been made at a later date, as the INTERNATIONAL EDITION subsequently contained a considerable number of the subjects which the complainant specifically desired.— EDITORS AMERICAN ARCHITECT.]

HOLYOKE, MASS., Dec. 15, 1890.

"Keep on sending me the INTERNATIONAL EDITION until you think you have a better one(an 'Inter-planetary,' for instance), and oblige, as for 14 years past." T. W. MANN, *Architect.*

The American Architect and Building News

FOR 1891.

During the coming year the publication of the following Serial Papers will be continued, and in some cases completed: "Safe Building," by Mr. Berg; "Ancient Architecture for Students," by Mr. Gambier-Bousfield; "Architectural Shades and Shadows," by Prof. Hamlin; and the papers on "Equestrian Monuments." All of these papers are fully illustrated, and their character well understood.

We have also been given to understand that it will be possible to resume publication of the following interrupted serial papers: "Architect, Builder and Client before the Law," by Mr. T. M. Clark, and "Old Colonial Work in Virginia," by Mr. A. B. Bibb, with illustrations.

New Matter will be Represented by the following Serial Papers:

"The Life and Works of Emanuel Fremiet, Sculptor."

By Truman H. Bartlett, Sculptor.

Mr. Bartlett has enjoyed the friendship of his subject for many years, and while he judges with discretion, infuses into his criticism the warmth of friendship. An unusual number of illustrations will add interest to these papers, many of them showing work which is quite unknown even to those well informed as to modern sculpture.

"American Construction through English Eyes."

Under this heading will be published the observations on our methods of building made by Mr. A. Arthur Cox, holder of the Godwin Bursary, who has travelled widely in this country, and has taken copious notes with pen and pencil of whatever seemed merely curious, or valuable and unknown to English architects.

"Construction."

The most useful article in Viollet-le-Duc's "*Dictionnaire Raisonnée de l' Architecture*" is the long and elaborately illustrated article "Construction." A translation of this valuable fragment by Mr. George Martin Huss, will be published with all the illustrating diagrams and cuts.

"Comparative Municipal Building Laws."

A Digest of the Building Laws, in use at present in the following cities, in tabular form, compared, collated and arranged for easy reference, by Mr. Henry A. Phillips, will form a *vade mecum* for Architects who often have to carry on building operations under many different regulations at the same time:

Baltimore, Md.	Cleveland, O.	Louisville, Ky.	Newark, N. J.	Pittsburgh, Pa.
Boston, Mass.	Denver, Col.	Memphis, Tenn.	New Orleans, La.	Providence, R. I.
Brooklyn, N. Y.	Dis. of Columbia.	Milwaukee, Wis.	New York, N. Y.	San Francisco, Cal.
Charleston, S. C.	Detroit, Mich.	Minneapolis, Minn.	Omana, Neb.	St. Louis, Mo.
Chicago, Ill.	Kansas City, Mo.	Nashville, Tenn.	Philadelphia, Pa.	Wilmington, Del.
Cincinnati, O.				

"Another Architectural Knockabout."

By Mr. F. L. V. Hoppin.

With its many architectural and some humorous illustrations, may be counted upon to enliven, with its chatty description of student travel in Spain and Africa, the sobriety of ordinary professional discussion.

The Illustrations

Will in quantity and variety be the same as during the past year, while the quality will, so far as it rests with us, continue to improve.

Subscriptions.

International Edition, *in advance,* - - - -	**$25.00**
" " **quarterly payment,** *in advance,* -	**26.00**
Imperial Edition, *in advance,* - - - - -	**10.00**
Regular Edition, *in advance,* - - - - -	**6.00**

Club Rates furnished on application.

TICKNOR & CO., Publishers,

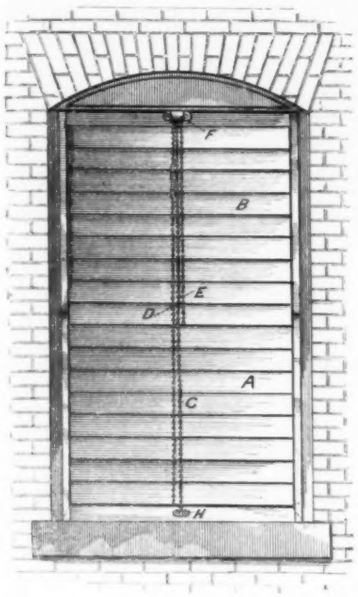
211 Tremont Street, Boston, Mass.

AWNING AND WINDOW SHUTTER.

To make architects, contractors, builders, and the public in general, acquainted with the latest improved and most practical combined Awning and Window Shutter is the purpose of this description.

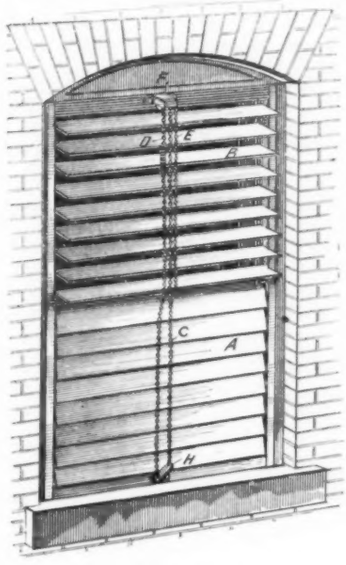
The information herein given will be sufficient to convince you as to the superiority of the same over others of the same class.

Our shutter is fitted with chain connections, is strong, durable, light and handsome. It meets the approval of the leading architects and builders, and is the only complete and practical awning shutter now in use, and is specially adapted to use in hotels, hospitals and public buildings to improve ventilation.



CLOSED AND LOCKED.

Keeps room dark, allows for adjustment of slats so rain will not beat in, and yet allows circulation of air. From this position the shutter can be adjusted to any desired position.

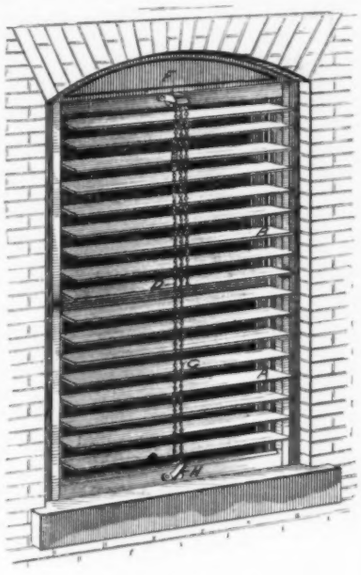


HALF CLOSED POSITION.

Lower section closed and upper section open, suitable position for bath or bedroom, or for physician's office. Allows plenty of light and ventilation, but preserves the privacy of the room. With lower slats slightly open, a person can sit at window without danger of direct draught.

While the illustrations and description clearly set forth its application, operation and manner of adjusting same, we desire it understood we are prepared to manufacture them in any desired sizes or styles.

If you are contemplating building, putting up new awnings or replacing your old awnings and shutters, it will be to your interest to examine into the merits of our awning shutter, feeling assured that, if you do, we can confidently look forward to receiving an order.



VENETIAN BLINDS.

Shutter in closed position, with all the advantages of an outside Venetian blind, and yet capable of awning adjustments, controlling the glare and adjusting the light as required.

OUTSIDE VIEW, VENETIAN BLIND AND AWNING COMBINED.

Lower slats adjusted to give a clear sight for ventilation and yet keep out sun's rays.

It is to be remembered that the upper section (if so ordered) may have only three or four slats, and the lower or awning section may be made longer and contain most of the slats.

Twelve good reasons why our improved combined shutter and awning is superior to all others.

(1) It meets the approval of all who have seen and used it, and is unequalled by any shutter or awning now in use.

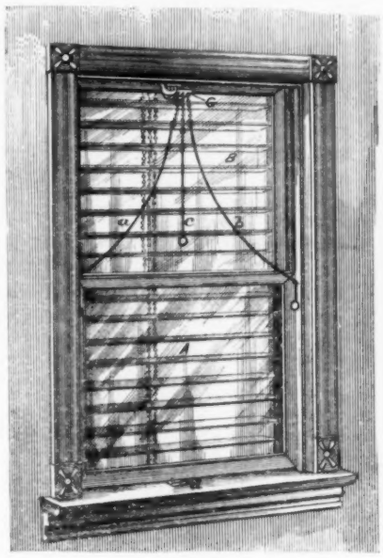
(2) It is more easily handled than the common shutter or awning, can be put on in the spring and taken off in the fall with almost as much ease as fly-screens, and is so simple in construction that when seen no explanation is necessary.

(3) The shutter can be put on houses already built. No cutting and disfiguring of the window frame. Six screws secure the shutter in position, a catch and small pulley to screw on, and the shutter is ready to work.

(4) It is cheaper, stronger, neater and more durable.

(5) The slats and awnings are opened, shut and locked without raising or lowering the sash, (above cut).

(6) One-half or two-thirds of the shutter can be made into an awning portion (above cut), such awning portion being at the bottom of the window, where all awnings should be, to keep the sun out in the morning and evening. Can be adjusted so that the sun's rays cannot enter side of awning, and still have perfect light and circulation of air.



INSIDE VIEW, VENETIAN BLINDS.

Operating cords are not in the way of inside blinds or curtains.

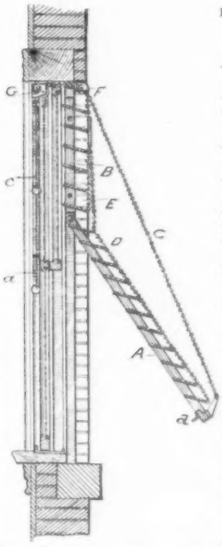
Directions for working the shutter from inside.

To open upper slats, pull on cord *a*.

To open lower slats, pull on cord *b*.

To raise lower section, pull on cord *c*.

Let go the cord to fasten slats or awning in any desired position.



DESCRIPTION OF PARTS.

A.—Lower or Awning Section.
B.—Upper Section.
C.—Awning Lifting Chain.
D.—Lower Slat Operating Chain.
E.—Upper Slat Operating Chain.
F.—Outer Pulleys.
G.—Inner Pulleys.
a.—Upper Slat Pull Chain.
b.—Lower Slat Pull Chain.
c.—Awning Pull Chain.
d.—Lock Catch.

Sectional view, showing length of awning portion, 3-4 height of window.

Price list, with necessary instructions for measuring, etc., furnished upon application.

All parts in duplicate, and can be furnished at once. All shutters receive coat of priming at factory.

(7) The upper section of the slats can be opened, giving light and ventilation from above. At the same time the bottom section may be closed, making the room private and preventing direct draught, (cut No. 2).

(8) It can be used in porches, bay-windows, doors, and transoms, where other outside shutters cannot be used, the slats being nearly four inches wide (and neatly moulded) so when they are opened, you have nearly all the light of the window. Transoms above windows can be fitted with slats in frame to work on same chain as slats in upper portion of shutter.

(9) Perfect protection of window from wind, hail and storm, which have little or no effect upon the awning shutter, and as it is operated from inside of closed or open windows, there is no exposure to draught, etc., as in the case of other shutters and awnings. In addition, there is less slamming, banging and breaking off of hinges, etc.

(10) It gives a neat and substantial appearance to house and window.

(11) It gives perfect control of the lighting and ventilation of houses, making it especially applicable to public buildings.

(12) Fitting snugly in the outside casing of

windows, it improves the appearance of buildings and presents a pleasing effect in any of its many positions.

A child eight years old can operate it. Remember this shutter and awning is operated from the inside, without raising or lowering the sash.

THE IMPROVED SHUTTER AND AWNING CO.,
CULPEPER, VA.

MODERN INTERIORS.

The employment of London putty, so-called, or plastic ornament in relief, for interior, and also exterior, decoration, has very appreciably increased in the past few years, and now its beauty and its rich effects are very readily and very widely acknowledged; as may be seen in a large proportion of the modern built houses of the period, where light and graceful effects are charmingly blended in artistic panels, fine friezes, dados, door-heads, mantels and ceilings, quaint arches and odd window settings.

Wherever the eye rests we now find cultivated taste shown in the beautiful surroundings, and effects are now easily obtained which twenty years ago were only secured with great difficulty.

Up to a very recent date whatever decoration in this material was used, was selected from a catalogue of set patterns and imported from its home, England, at considerable outlay and after long waiting, whereas to-day, few architects dispense with its use when designing a residence, wherein both comfort and artistic finish are to be combined.

The recognized advantages of this material are, the facility with which any order or style of ornamentation can be executed from drawings, and the individuality of the designer preserved distinct; and its comparatively small cost in proportion to wood-carving, than which it is much more durable. It can also be stained and grained to match any wood and can be finished to stand outdoor exposure. But, to secure these satisfactory and artistic results the work must be applied by a trained and expert ornamenter, who thoroughly understands the nature and use of his materials.

There is reproduced on another page illustrations of this work, manufactured by me, and many beautiful specimens can be seen at my office.

J. N. LOMBARD.
58 Bowdoin St., Boston, Mass.

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PROVIDES
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Write for Catalogue,
Large Illustrations, Descriptions, Prices, etc.

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FURNACE CO.,
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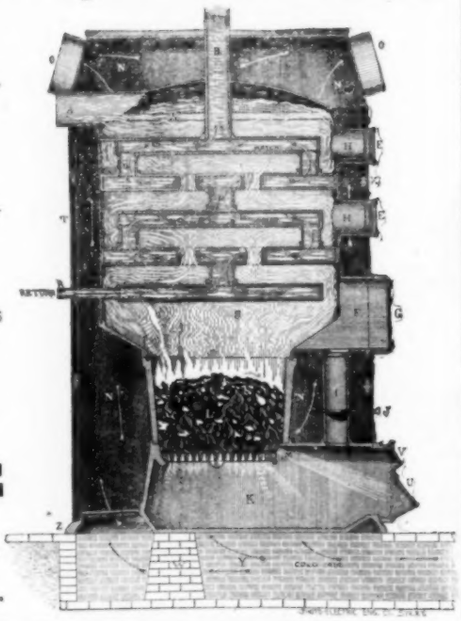
Chicago, Harrisburg, Toronto.



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Hydraulic Elevator, and while we do not claim that it

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we do believe it is destined to elevate great numbers of the inhabitants thereof and their goods.

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THE
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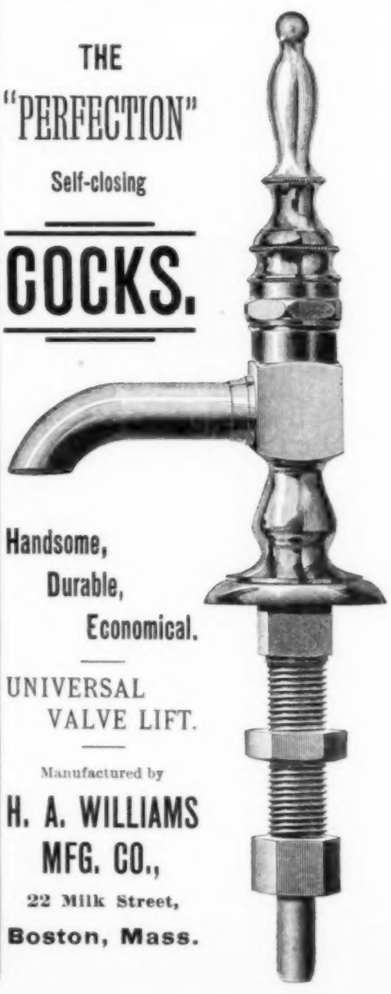
Self-closing
COCKS.



Handsome,
Durable,
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VALVE LIFT.

Manufactured by
H. A. WILLIAMS
MFG. CO.,
22 Milk Street,
Boston, Mass.

The American Architect and Building News

ADVERTISERS' TRADE SUPPLEMENT.

No. 105. SATURDAY, MARCH 7, 1891. Volume XXXI. No. 750.

GENUINE CHROME STEEL.

CHROME TRADE MARK C C S ADAMANTINE.

The only Chrome Steel made at the present time in the United States is the product of the Chrome Steel Works of Brooklyn, N. Y., of which Mr. S. H. Kohn is president, Mr. C. P. Haughian, vice-president, and Mr. J. G. Dunscomb, secretary. The successful manufacture of Chrome Steel, unlike other kinds of steel, is no easy matter, many failures having been met with and fortunes wrecked before the present successful works were established, which was in 1867. Chrome Steel is made in crucibles, by a re-melting process, of ordinary Norway iron properly cut up, and a given quantity of Chromium. The product which is rolled from ingots in the ordinary commercial round, square and octagon bars, has an insertion of a layer of Chrome Steel hidden between an inner and outer layer of iron; the combination plates of 5-ply thickness, are prepared in the same manner.

The completed material is the hardest steel known, and easily resists the drilling, cutting or boring tool of the burglar, hence, Chrome Steel bars and plates are extensively used by contractors making burglar-proof safes and vaults, as well as by builders for the construction of jails and prisons.

Like other good things which are unprotected except by the ordinary trade-mark, Chrome Steel has been the victim of many imitations. A product called "Crome Steel," —the "h" eliminated from the word "Chrome," — and "Steel Crome" have been foisted upon the unwary public by some unscrupulous safe and vault manufacturers, much to the damage and insecurity of the owner of the work being done. It is necessary then that those who desire the genuine article, should be careful and very explicit in their contracts and see that the *trade-mark* as it appears at the head of this article, is stamped on the material they receive; and they should insist moreover, that their specification reads, "Chrome Steel made in Brooklyn, N. Y."; otherwise there is no certainty of getting the genuine article. It might be well also to write to the manufacturers that such specification has been issued, so that they can look after the interests of all parties. The imitation of Chrome Steel costing from $20 to $30 per ton less than the genuine article, the incentive for certain contractors who desire to "make money quick," to use the imitation article, is plainly evident.

A visit to the Chrome Steel Works in Brooklyn, would well pay parties interested in the construction of burglar-proof safes and vaults. The works cover nearly three acres of ground. The buildings which are compact, well constructed and very suitable for the purpose, are fitted with all the latest improvements in the way of massive rolling, cutting and hammering tools. A ponderous Corliss steam-engine noiselessly and majestically impresses the visitor with its great power and utility, while the hundreds of blazing furnaces presided over by the workman in wet leggins, with bared body and brawny arms, as, with long tongs, he places and replaces the fiery crucibles, present a weird and interesting scene.

CHROME STEEL WORKS,
BROOKLYN, N. Y.

REPORT OF TESTS MADE AT THE CHICAGO EDISON STATION OF INTERIOR CONDUIT & INSULATION CO.'S SYSTEM.

On Saturday, December 20, at the Edison Central Station, Chicago, tests of the Interior Conduit & Insulation Company's conduits were made. A switch-board arranged for testing purposes was placed at one end of the dynamo-room in plain view of the spectators. The temperature of the room in which the experiments were made was 70° Fahrenheit. A voltage of 126¾ was used, and to obtain a uniform current, 54 lamps of nominal 50-candle power were placed in multiple, 97 and a fraction ampères being the amount of current. The tests were as follows:

1. Through a ⅜-inch tube the negative and positive sides of a circuit were drawn. The wire was 18 B. W. G., with paraffine cotton insulation; 97 ampères were thrown on the wires, and in 30 seconds they were red-hot and smoking. The conduit was ordinary or plain conduit. It was not burned or injured in any manner.

2. Two 18 B. W. G. wires, paraffine cotton insulation, one pole run through a conduit and the other in molding. In one minute after a current of 97 ampères was turned, the molding was smoking badly, and burst into a blaze at the end of five minutes. The conduit was softened at the ends but did not burn.

3. Experiment No. 2 was repeated, using braided rubber wire, with the same result, excepting the molding did not blaze until the expiration of seven minutes.

4. A rubber wire in a fireproof conduit, the return wire laid along molding unprotected; a heavy overload thrown on the wire, setting fire to the insulation of the wire and melting the wire in 10 seconds. No injury was done to the conduit, although the wood on which the wire was lying caught fire.

5. Two wires were placed on a board, 2½ inches apart at a point where the wires were bare; the wood was moistened with a solution of caustic soda, which was used to establish an arc quickly, to accomplish in a short time what may take several days in practice by reason of ordinary moisture. When the current was turned a circuit formed across the moistened spot, and after a time the wood was blazing, but the short circuit was not sufficient to blow the safety fuses.

6. Two wires were placed about one-sixteenth of an inch apart, a spot moistened, when the current was turned on there was a small flash across the moistened spot, but instantly both safety plugs were blown, and the wood did not catch fire.

The fifth and sixth experiments were made to show the advisability of placing branch wires close together. In one case a fire is apt to occur, in the other the fuse will be blown instantly.

A number of prominent men were present. J. P. Barrett, city electrician for Chicago; Chief Swenie, of the city fire department; C. C. Haskins, city inspector; Chief Smith, of the National Board of Fire Underwriters, New York; Foree Bain; Messrs. Church, Goehst, Ferguson and Gorton, of the Chicago Edison Company; Messrs. Affeld, T. S. Cunningham, Webster, General Drew, and others of the Board of Underwriters; C. B. Stevens, Denver, Colo., and representatives of the leading electrical journals.

On Monday, December 22, the above tests were repeated at the Art Institute Building, in the presence of the leading architects of Chicago. An extra test was there made, illustrating a very common fault and the dangers connected with it, among users of incandescent electric lights, *i. e.*, the moving of a lamp supported by a flexible cord, and hanging over a given point, to another position or point by means of placing a pin or tack through the cord itself, and driving it into the plaster or woodwork. The instant the current was turned on, the cord parted and was fired. In this case a pin was employed.

OFFICE OF CITY ELECTRICIAN,
CHICAGO, ILL., December 24, 1890.

INTERIOR CONDUIT AND INSULATION CO.,
New York City:—

Gentlemen,— After careful examination, I

beg leave to say I thoroughly endorse the system of the Interior Conduit and Insulation Company for inside wiring.

I would further state that the method of running the two branch wires in a single tube for incandescent electric wiring is approved by me, and I will cheerfully pass any electric installation that is equipped with this system, believing it to be the safest method of interior wiring yet devised.

Yours respectfully,
J. P. Barrett, *Superintendent.*

Office of Fire Underwriters' Association.

Chicago, Ill., December 24, 1890.

Interior Conduit and Insulation Co.,
New York City:—

Gentlemen,—I have also examined the system of the Interior Conduit and Insulation Company, and agree in every respect with Mr. J. P. Barrett, and highly recommend your system of interior wiring.

(Signed,) T. A. Bowden,
Superintendent of Surveys.
The Chicago Fire Underwriters' Association.

THE "KODAK."

Architects as well as most other people have had their attention so much attracted to the interesting and useful developments of electricity in its application to the daily needs of modern time, that they have somewhat lost sight of the real value and importance of the developments that another industrial science or art have undergone at the same time. Electricity is of no very special advantage to architects, while photography is of more practical every-day use to architects than to any other class of men. To them a photograph is one of the "tools of trade" and a most valued and much used tool it is, one of a series of tools that architects are always enlarging, one they are always ready to spend money upon. Still, in spite of appreciation of their value and in spite of a willingness to freely spend money upon them, the cost of photographs twenty or thirty years ago prevented the older architects of to-day from procuring such collections as would be of most service to them. Various improvements and simplifications in both instruments and materials gradually brought about reductions in the price of photographs produced by the original wet-plate process, but the benefit to architects and others was rather in the way of better quality of result than in cheaper prices.

The invention of the dry-plate process revolutionized the entire science of photography, and at once brought into existence an army of amateurs whose advent at first threatened to ruin the photographers of the old school though it has really been rather a pecuniary advantage rather than a detriment to most of them. New subdivisions of labor have been devised and now instead of carrying on the business in all its branches, the old-fashioned photographer now devotes himself to a portion of a single branch — with better pecuniary results to himself.

Architects benefited greatly through the discovery of the dry-plate process, but not more, perhaps, than any other class.

The next development, it is not safe to say it is the last, in photography is due to the introduction and perfection of the film negative, the invention of Mr. George Eastman, we believe, and by him and his associates brought to a high degree of finish and perfection and made useful and accessible to all in the wonderful series of "Kodak" cameras which are manufactured and guaranteed by the Eastman Company of Rochester, N. Y., which has affiliated branches in London, Paris and elsewhere.

If we felt at liberty to do so, we could narrate some very interesting facts concerning the birth and growth of this great industrial undertaking. Its history has in it elements of romance and fable, which simply add interest to a history of the growth of great results from small beginnings which is not unusual in successful commercial undertakings.

Great as was the convenience of the dry-plate, it still was not of as much service to architects as might be supposed, because it was necessary for one to procure and carry about with him a supply of plates; and any one who has started off on a photographic trip with three or four hundred pounds of glass and apparatus knows how wearing to the nerves it is to watch railway porters and hotel servants so as to take what precautions are possible to prevent the utter destruction of all the work that has been done, or all the work that may later be done, through some awkward motion of a careless bearer of a too heavy box. The film, then, was an invention of much promise, but it was not until the film had been made continuous and attached to a film holder, in the form of a tight roll, that the apparatus became a fairly complete one. But if, in spite of the advantages of the continuous film, the Eastman Company had chosen to attach it to an apparatus of inaccurate and slovenly workmanship, all the undeniable advantages of the continuous film would have been rendered valueless either by a defective lens and too slow-working shutter or an inaccurate focusing screw, to say nothing of a leaky box, or gearing not perfectly true in setting.

The wonderful success of the Eastman Company turns upon three facts: First, the continuous film; second, the admirable perfection of workmanship in its cameras of the "Kodak" species; and, third, in the organization of its business, so as to include the developing and printing of prints, which practically must amount to a very large percentage of all the films that are originally sold by the company; for however expert an amateur photographer may be in the development of film negatives, he really has no time to devote to the development of fifty or a hundred negatives practically at a single or uninterrupted sitting. The great advantage that the owner of a "Kodak" camera has in being able to forward the exposed film for development and printing to Rochester, is worth to most amateurs (and certainly to such amateurs as are architects) a great deal more than the charge which the company makes for this work, a work which is of so vast an extent that practically they are unable to build factories fast enough to accommodate the growth of their business.

The "Kodak" camera in its smallest form was considered a mere toy, and it is possible that in many people's minds the "Kodak" camera means no more nor less than the instrument in its first and smallest form. As far as it goes, it is an admirable little instrument, but it is hardly adapted for really serious work. But having once formulated their ideas and methods, it was a comparatively simple thing for the Eastman Company to construct larger forms, and they already have a series of portable "Kodak" cameras, the largest of which takes a right-angled exposure, having an area 5 x 7 inches; that is to say, however, the area of one of our ordinary gelatine pages, a size which is large enough to be of great value to the architect. Even the smaller size, practically the 4 x 5 size, is large enough to be invaluable to the travelling architect; and the illustrations to be found on another page will show what can be accomplished with an instrument of this size. Here is to be found one of the new modern railway stations which are so conspicuous in France and Belgium, and just below it is a detail of the same building which, though interesting, could probably not be discovered as a subject of a special photograph anywhere else in the world. The little street drinking-fountain in Dresden is a reminiscence of the hearty laugh which the double tail of the surmounting lion caused when it was detected. The statue of the bull-tamer is a proof of how valuable a "Kodak" is, as the statue was seen as we were hurrying to the train, and the carriage was halted long enough to make a single shot, and the result is this, which is much better than the photograph for which one of the party the night before paid three francs. The other subjects simply show how you can make your record as you go, and secure photographs of things which impress you, without wasting time in a vain hunt for them through all the neighboring photograph shops.

To the travelling architect a 4 x 5 "Kodak," which costs fifty dollars, with a proper supply of new film rolls, is the best travelling companion that he can have. Its quiet record, which is almost infallible, removes from a wearied traveller all necessity of noting down at night the impressions and memoranda of things architectural, that have attracted his attention during the day.

It would be our sincere advice to any architect or student who proposes to travel abroad to submit to any inconvenience or economy rather than to deprive himself of the assistance and certain profit and benefit which the companionship of a "Kodak" camera would afford him.

A SOLID RELIEF DECORATION.

Some eight or ten years ago those who were interested in house decoration had their attention drawn to a new material for ornamentation in relief which was said to have proved remarkably successful in England and on the Continent. The English government, always conservative in experimenting with new materials in their public buildings, had tried it with satisfaction and the great steamship companies of England had introduced it as the best procurable medium for beautifying the interior of their steamer cabins, etc. A company was formed for its manufacture and in a short time an effective solid relief decorative material was placed upon the market — the now famous Lincrusta-Walton. Its success was instantaneous, every application of it to the walls proving perfectly satisfactory, not only for beauty of design but for ease of handling.

Its great merits soon attracted the attention of Frederick Beck, New York, whose long experience in the manufacture of fine wall hangings is well-known, and after careful inquiry he invested largely in the stock of the company, and Frederick Beck & Co. assumed the distribution of the entire product.

The appreciation of all consumers being made at once manifest, the ingenuity of a number of manufacturers was exerted to bring out imitations which should take the place of Lincrusta-Walton at less cost. Some of these imitations were more or less popular for a

time but after repeated trials the fact became more and more evident that Linerusta-Walton was absolutely unrivalled.

Upon the expiration of the arrangement with the Linerusta-Walton Co., Mr. Beck decided to purchase the entire plant, together with all designs, patents, etc., and succeeding in this, a very large selection of new designs was at once prepared. Having absolute control of the material with no outside interests to be consulted, Frederick Beck & Co. have determined to make a substantial reduction in the price of Linerusta-Walton, thus bringing it within the means of those who have hitherto been compelled by circumstances to use imitations. As a result of this new departure there has been a great demand for Linerusta since the new year opened, and the works at Stamford, Conn., are pushed to their utmost capacity to supply demands.

Dealers who have never handled the material before are ordering for stock and it is anticipated that the use of Linerusta during the present year will be very much greater than ever before in its history.

New designs will be brought out frequently to meet the continual changes and advances in public taste.

FREDERICK BECK & CO.,
29TH STREET AND SEVENTH AVENUE,
NEW YORK, N. Y.

ALUMINUM REDUCED IN PRICE.

AT the annual meeting of the Cowles Aluminum Company held at Cleveland, O., January 29, it was decided to reduce the price to $1.25 a pound. This is a reduction of 50 per cent. It was also agreed to increase the capacity of the works at Lockport. When this is done the company claims it will be able to sell pure aluminum cheaper than copper, taking the weight into consideration, copper being four times as heavy.

THE Detroit Heating and Lighting Company have opened a branch at 114 Liberty Street, New York, where they have secured a fine store for stock and show rooms. This branch will be managed by Mr. George H. Raymond, formerly President of the Raymond Furnace Co., of Norwalk and New York. He will look after the trade in Western Massachusetts and Connecticut, Southeastern New York and Northern New Jersey.

The specialty of this company, as is well known, is the Bolton Hot Water Heater, which they have made popular throughout the United States. Their output for 1890 was between three and four times that of 1889, and they will doubtless get their full share of Eastern trade this season.

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THE MUTUAL
LIFE INSURANCE COMPANY OF NEW YORK

RICHARD A. McCURDY, PRESIDENT.

Statement for the year ending December 31st, 1890.

Assets,		**$147,154,961 20**
Reserve on Policies at 4%,		**$136,668,368 00**
Liabilities other than Reserve,		**505,359 82**
Surplus,		**9,981,233 38**
Receipts from all sources,		**34,978,778 69**
Payments to Policy-Holders,		**16,973,200 05**
Risks assumed,	**49,188 policies,**	**160,985,985 58**
Risks in force,	**206,055 policies,**	**638,226,865 24**

THE ASSETS ARE INVESTED AS FOLLOWS:

Real Estate and Bond & Mortgage Loans,	**$76,529,231 72**
United States Bonds and other Securities,	**51,311,631 54**
Loans on Collateral Securities,	**8,624,400 00**
Cash in Banks and Trust Companies at interest,	**3,556,441 59**
Interest accrued, Premiums deferred, etc.,	**7,133,256 35**
	$147,154,961 20

I have carefully examined the foregoing statement and find the same to be correct.
A. N. WATERHOUSE, Auditor.

From the Surplus above stated a dividend will be apportioned as usual.

The business for 1890 shows INCREASE over that of 1889, as follows:

In Assets,		**$10,753,633 18**
In Reserve on Policies and Surplus,		**10,554,091 94**
In Receipts,		**3,859,759 07**
In Payments to Policy-holders,		**1,772,591 67**
In Risks assumed,	**4,611 policies,**	**9,383,502 21**
In Risks in force,	**23,745 policies,**	**72,276,931 32**

Year.	Risks Assumed.	Risks Outstanding.	Payments to Policy-Holders.	Receipts.	Assets.
1884...	$34,681,420...	$351,789,285...	$13,923,062 19...	$19,095,318 41..	$103,876,178 51
1885...	46,507,139...	368,981,441...	14,402,049 90...	20,214,954 28..	108,908,967 51
1886...	56,832,719...	393,809,203...	13,129,103 74...	21,137,176 67..	114,181,963 24
1887...	69,457,468...	427,628,933...	14,128,423 60...	23,119 922 46..	118,806,851 88
1888...	103,214,261...	482,125,184...	14,727,550 22...	26,215,932 52..	126,082,153 56
1889...	151,602,483...	565,949,934...	15,200,608 38...	31,119,019 62..	136,401,328 02
1890...	160,985,986...	638,226,865...	16,973,200 05...	34,978,778 69..	147,154,961 20

New York, January 28th, 1891.

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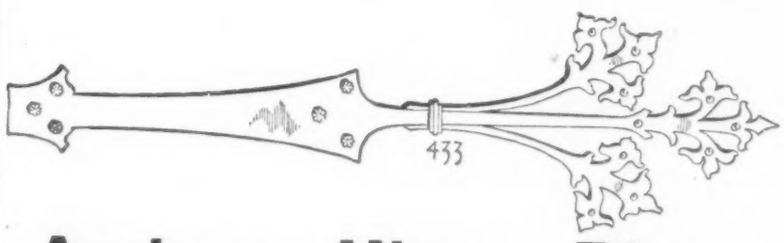

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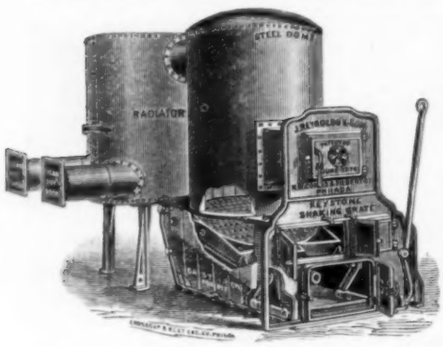

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Less Radiation than any all-hot-water heater manufactured.

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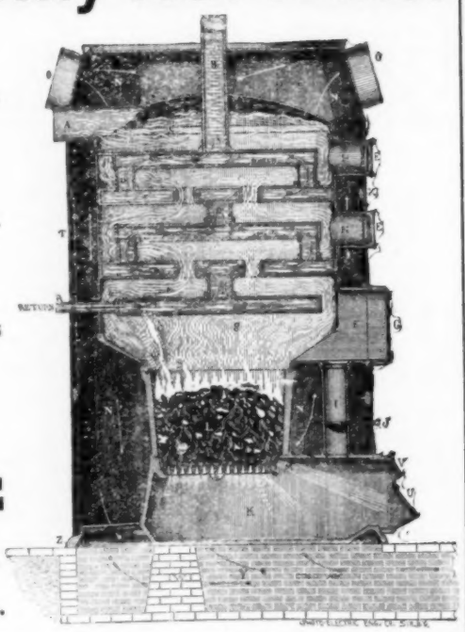

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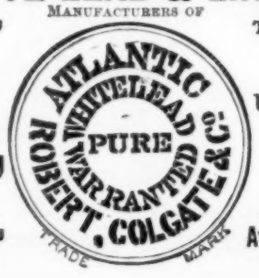

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Furnishes our trade-mark and the names of the elevators we build. But there is

NO MYTH

about the economy, durability and power, and the smooth and noiseless operation of our

ATLAS

Hydraulic Elevator, and while we do not claim that it

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we do believe it is destined to elevate great numbers of the inhabitants thereof and their goods.

Please send for circular and allow us to submit estimates.

SPRINGFIELD FOUNDRY CO.,

Springfield, Mass.

Equitable Building, New York. Mason Building Boston.

Something New for the Stable.

Read's Patent Harness Bracket.

An Article long wanted but never before made.

Holds the whole harness, takes no more room than the ordinary hook or peg, can be used for both single and double harness. Gives the harness-case a neat appearance, as it carries the harness up uniformly in width with the saddle, beside keeping the bridle and breastplate in their proper shape. They are neatly japanned, with gilt facings. Price **$18** per dozen. Are now in use in over 100 first-class private stables in and about Boston.

Each bracket lettered **"J. J. Read, Boston, Mass."** For sale by dealers everywhere.

Indorsed and approved by the following named gentlemen, all of whom have them in use:

Boston: R. H. White, J. Montgomery Sears, J. T. Morse, Jr., Thos. Motley. South Boston: Benjamin Dean. Cambridge: F. A. Kennedy, John Bartlett, Chas. H. Gass. Portsmouth, N. H.: Hon. Frank Jones. Milton: Col. H. S. Russell, J. Malcolm Forbes. Dedham: A. W. Nickerson. Baltimore, Md: J. D. Mallory. Newton: J. C. Potter, C. E. Billings, A. K. Mitchell. Waltham: J. H. Ellison. Readville: C. G. White. Beverly: Dr. Chas. Haddock. Swampscott: C. P. Curtis. Boston, Mass.: Waldo Adams, with the Adams Express Co. Philadelphia, Pa.: Edward N. Williams, of the Baldwin Locomotive Works.

The public are cautioned against all similar brackets, not marked with my stamp, as such brackets are infringements of patents held by me.

Also cedar-top riding-saddle bracket. Price $3.50 each. And whip-rack for English coach and straight whip combined. Price 50 cents each.

JAMES J. READ, 13 Tremont Row, Room 10.

MONOGRAPHS

Of American Architecture, - No. 5.

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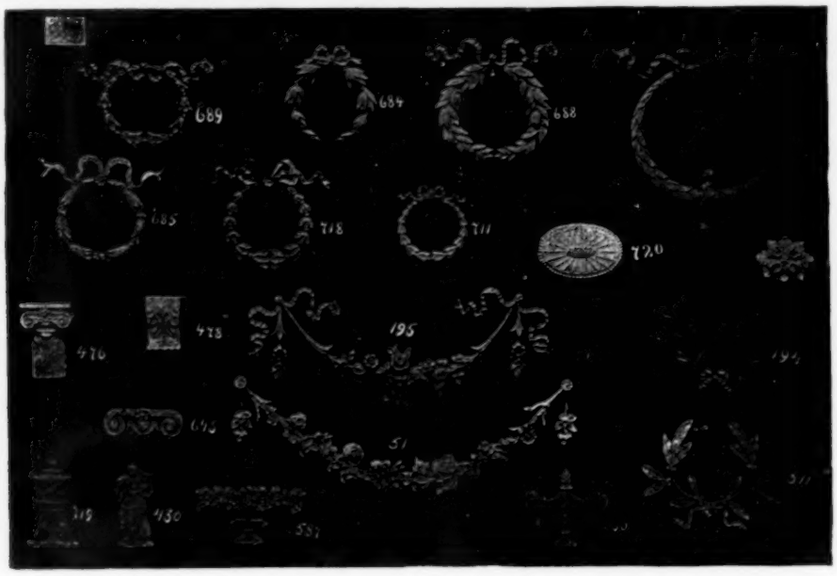
BOSTON, MASS.,

GAMBRILL & RICHARDSON, Architects.

Twenty-three Plates, of which one is Helio-chrome. Price, $10.00.

TICKNOR AND COMPANY, Boston.



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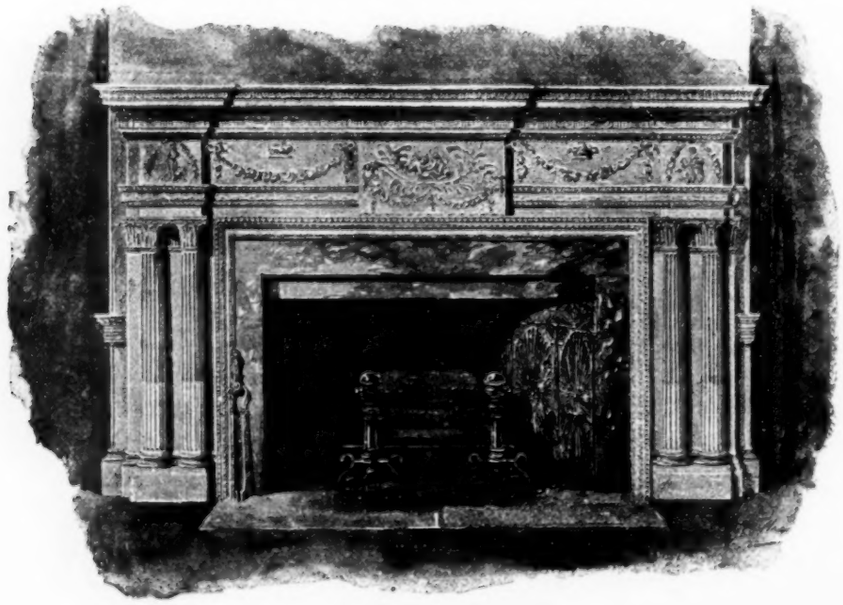

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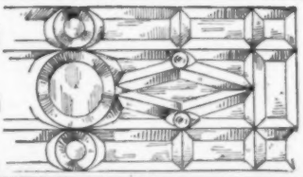

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Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
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Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
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Framing Timber:				
Pine			12 00 @ 15 30	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 50 @ 20 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 16 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 25 @ 2 30	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ M	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40
Cedar, split ₱ M	@	@	*Not sold.*	24" 8 @ 21
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	20" 35 @ 14
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Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 80 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
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Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
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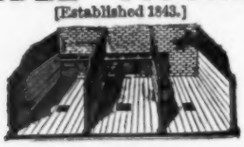

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Jersey	4 75 @ 5 75			" @ 7 0
Long Island	5 50 @ 5 75	Bay State Hard 9 00 @ 10 00		Salmon 8 0
Up River	5 25 @ 6 00		Indiana Pressed 14 00 @ 20 00	Sq. " @ 00
Haverstraw Bay 2nd	5 75 @ 6 25	Domestic Com. 9 50 @ 10 00	St. Louis Fronts @ 27 00	Light Stretchers @ 10 00
" 1st	6 25 @ 6 50	Domestic Face 20 00 @ 22 00		Medium " @ 12 00
Hollow	@ 13 00	Philadelphia 40 00 @ 45 00		Red " @ 13 00
Fronts		Phila. mould 50 00 @ 80 00		Dark " @ 13 00
Croton, Brown	14 00 @ 15 00		15 00 @ 27 00	Pressed 18 00 @ 20 00
" dark	15 00 @ 16 00	Anderson 14 00 @ 32 00	65 00 @ 350 00	Best Paving @ 14 00
" red	15 00 @ 16 00		45 00 @ 55 00	Second " @ 13 00
Chicago pressed (Anderson)			45 00 @ 50 00	Third " @ 12 00
Chicago Moulded			25 00 @	
Baltimore	7 00 @ 41 00		60 00 @ 100 00	
Philadelphia	@ 22 00		30 @	Dom. @ 6
Trenton	@ 22 00		35 @	@ 8
Milwaukee			55 00 @ 65 00	
Moulded:				
Glens Falls Red Pressed	@ 37 00		@ 100 00	
" " Buff "	@ 30 00		@ 120 00	
" " Moulded Red & Buff	45 00 @ 70 00			
Enamelled: *Imp.*				
Enamelled (edge.)	85 00 @ 100 00			
Enamelled (edge and end)	90 00 @ 115 00			
CEMENT, LIME, etc.—(₱ cask.)				
Rosendale Cement	90 @ 1 00	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co	1 05 @ 1 30	B S & Co 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 60 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 72 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 90	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Jesson
" " (Lagerdofer)	@	2 55 @ 3 0	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not Sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	11 50	9 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	
Hydraulic Lime	@ 1 45	@ 1 35		White Lime
Chicago Lime in bulk		St. John 1 00	55 @	25 @ 30 ₱ bush
Wisconsin "			60 @	White Mass
Rockland and Rockport, (Com.)	@ 90	@ 1 05	*Not sold.*	1 25 @ 1 50
Rockland and Rockport, finish	@ 1 10	@ 1 10	*Not sold.*	1 00 @ 1 00
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	
State, finishing "	@ 1 05	*Not sold.*	*Not sold.*	*Not sold.*
Plaster of Paris (calcined.)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	*Not sold.*
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 50 @ 2 25
Hair (Cattle) ₱ bush	12 @ 15	25 @ 30	30 @ 25	1 75 @ 2 50
" (Goat)	22 @ 25	@ 50	30 @ 55	20 @ 25
Sand, ₱ load	1 00 @ 1 25	1 75 @ 1 90	@ 60	30 @ 35
STONE. (₱ cubic foot, rough.)				@ 1 50
Granite: (Maine)	@ 60	@ 60		
Limestone:				55 @ 75
Bedford	45 @ 1 25	95 @ 1 90	50 @	75 @ 90
Joliet	@ 1 00		35 @ 55	Richmond
Lemont			35 @ 60	75 @ 1 50
Serpentine		10 50 per ton	@ 1 00	4 50 ₱ Perch

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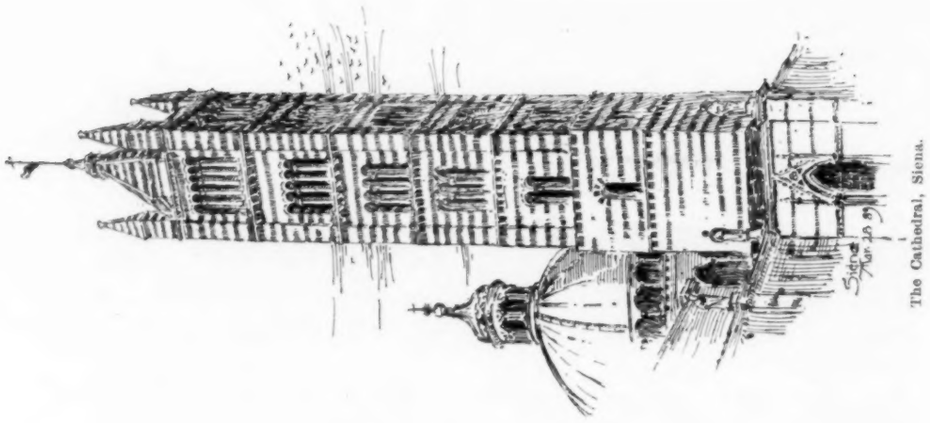
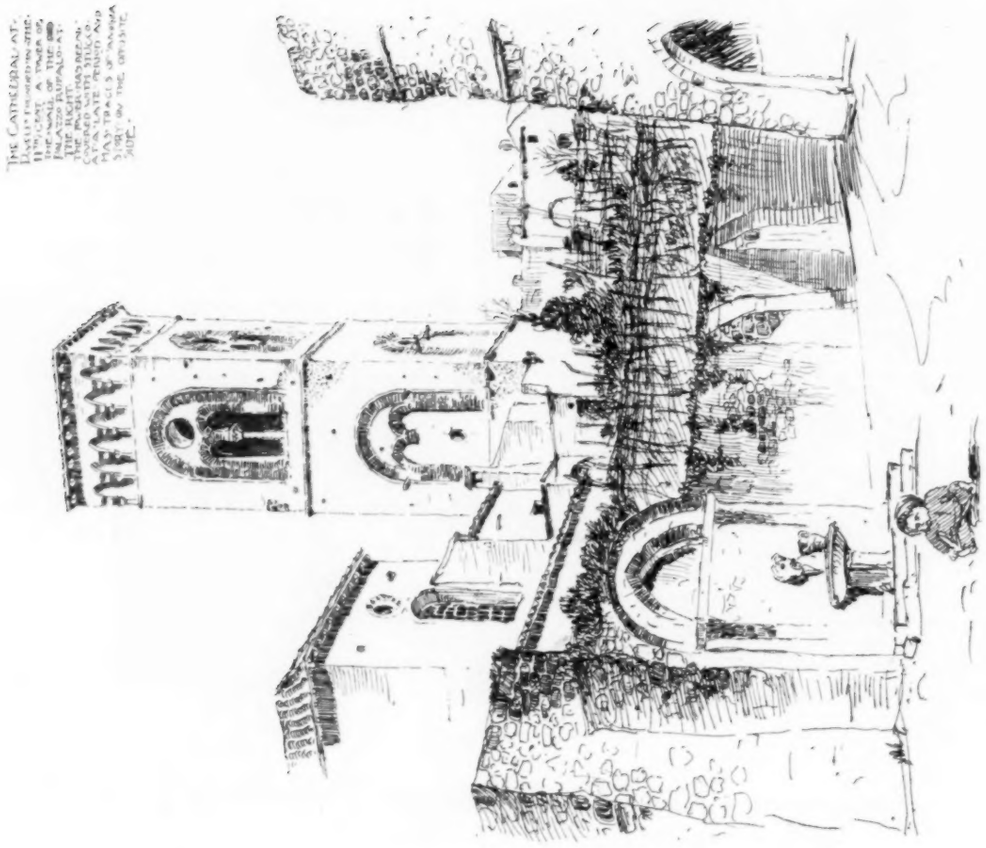
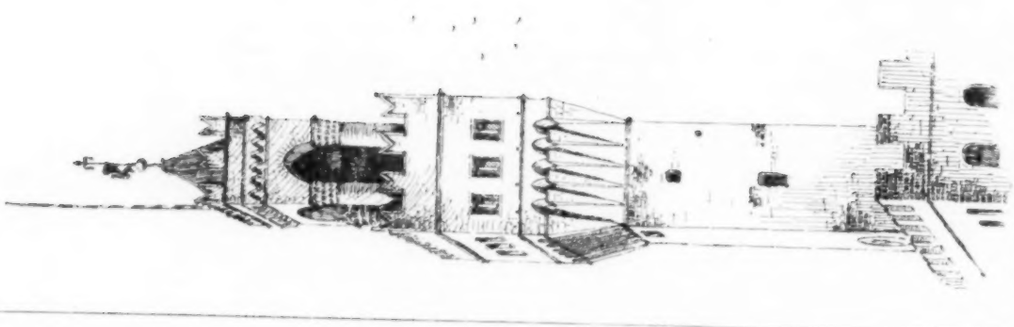


The Cathedral, Siena.



The Cathedral at Lucca (the campanile at the right of the picture), the nave of the church, and the Palazzo Pubblico at the right (the two latter covered with stucco painted to imitate pinkish and yellowish stone).



The Palazzo Vecchio, Florence.

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Mortar Colors.				
Black, brown, buff ℔ lb.	@ 2½			
Colorific ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20%	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (℔ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	75	50 @ 1 00	37 @ 50
Sandstone,				
Longmeadow	@ 80	80 @ 90		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen		@ 2 00	"	1 25 @ 1
Carlisle, English	@ 1 05	@ 1 05		95 @ 1
Corse Hill (Scotch)	1 05	1 05		
Marble (℔ *cu. ft.*				
Lee, Mass	@	1 75 @ 2 50	*Not sold.*	2 00 @ 2 50
Rutland, white and Blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	350 @ 6 00	1 70 @ 3 00
Glens Falls, black	@		*Not sold.*	4 00 @ 4 50
Italian, blue-veined	@		@ 4 40	2 50 @ 2 75
" Sienna	@		*Not sold.*	@ 5 00
Tennessee, red	@		@ 4 40	4 00 @ 6 00
" Knoxville	@		@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@		*Not sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate; Roofing (℔ *squares*)				
" green	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" purple	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" red	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
" " Chapmans	@	@	7 30 @ 8 00	4 00 @ 4 65
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am. ℔ M	@		*Not sold.*	@ 25 00
N. Peach Bottom, warranted unfading	@			6 00 @ 6 75
PAINTS. (*In oil,* ℔ *lb.*)				
White lead, Am	7 @ 7½	7½ @ 7½	6½ @ 7	@ 7½
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	7½ @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermilion	65 @ 70	75 @ 80 dry	65 @ 68	Eng. @ 76
Red Indian, Eng	12 @ 20	12 @ 20	13 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	57 @ 62	53 @ 54	57 @ 60	@ 60
" " boiled (℔ gal.)	60 @ 65	56 @ 57	60 @ 63	@ 63
Turpentine (℔ gal.)	40 @ 41	42 @ 44	51 @ 51	@ 44
Varnish, coach (℔ gal.)		1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac (℔ gal.)		2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	2 @	2 @ 4	02 @ 02½	2 @ 2½
Whiting (℔ dry)	75 @ 1 00	1 @ 1½	1 @ 1½	¾ @ 1
Paris white, (Eng.,) (℔ dry)	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am (℔ dry)	5½ @ 6	@ 7½	6½ @ 7	@ 7½
Sienna (burnt) (℔ dry)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber, " (℔ dry)	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@ 2 75 @ 3 00		pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 50	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4" x 4" (℔ doz. pairs.)				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish (℔ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (to cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (℔ *Set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:		@	13 @ 16	13½ @ 16
Sheet Lead		@ 8½	@ 7	@ 6½
Lead Pipe		@ 7½	@ 6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance	@		3 26 @ 3 70	@ 2 8-10
Channel-Beams	3 3-10 @ 3½	@ 3 1-10	" @ "	@ 2 8-10

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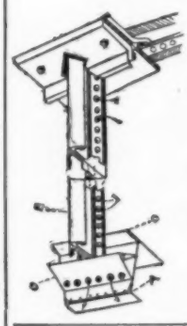

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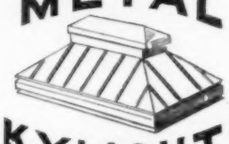

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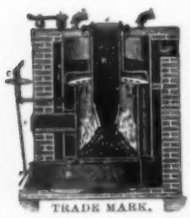

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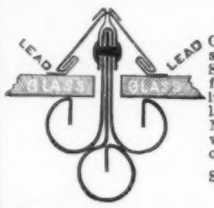

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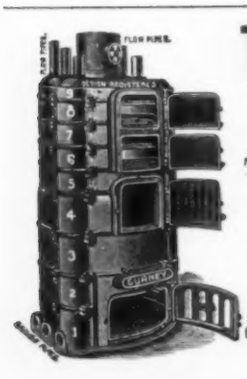

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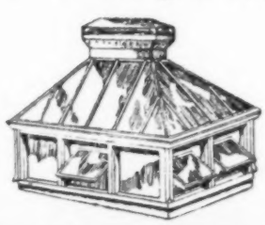

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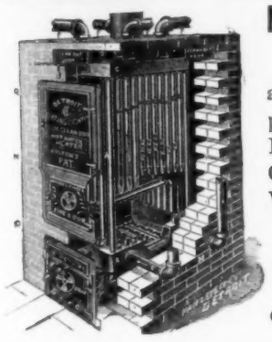

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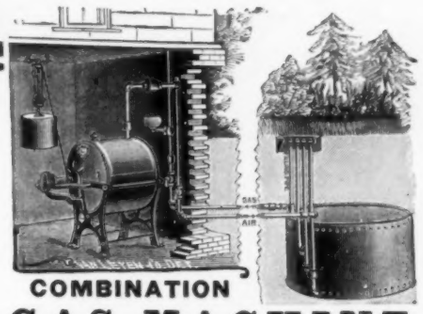

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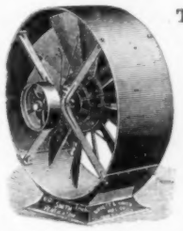

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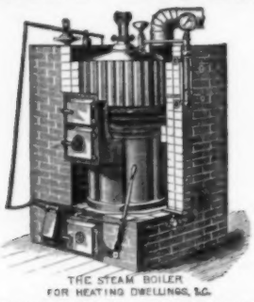

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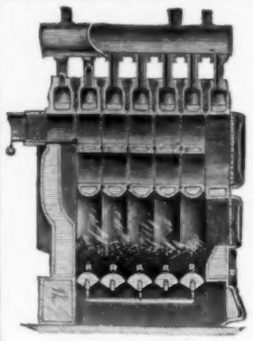

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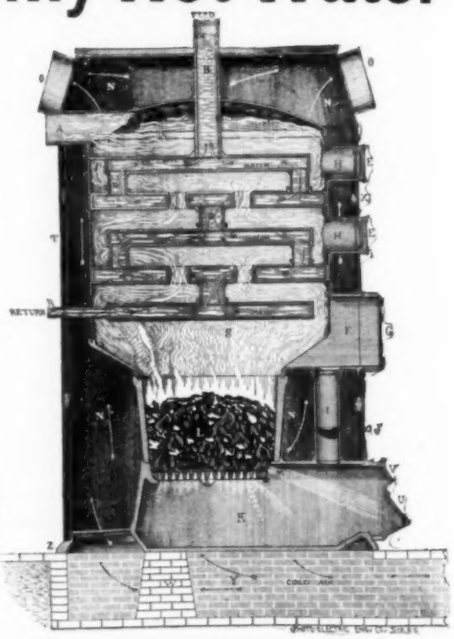

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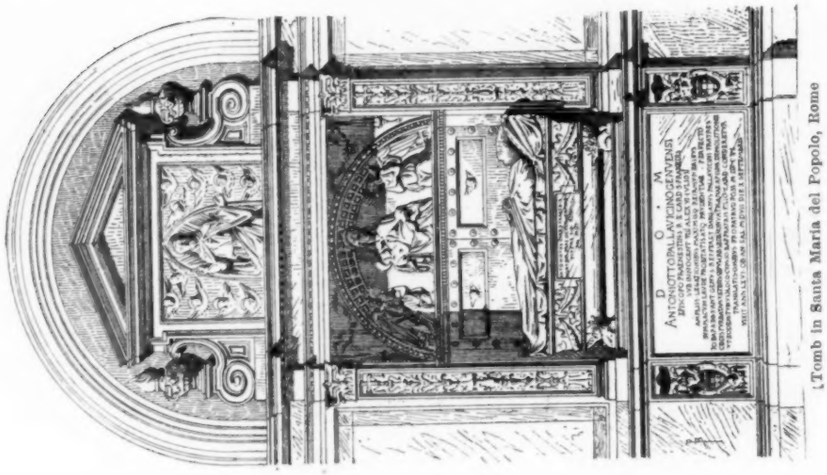

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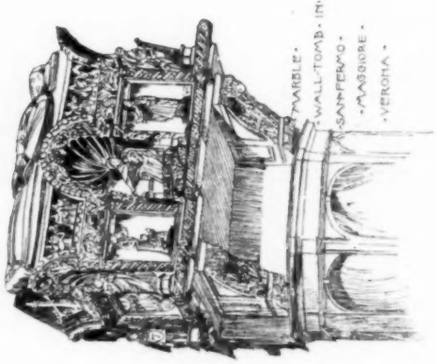

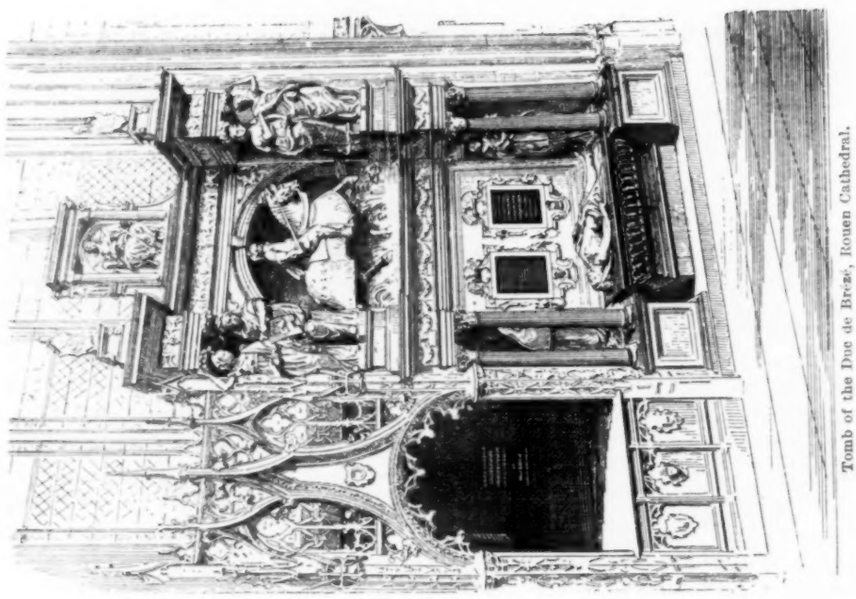

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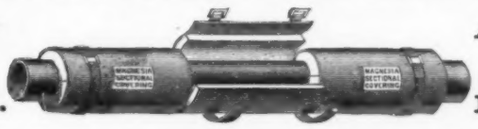

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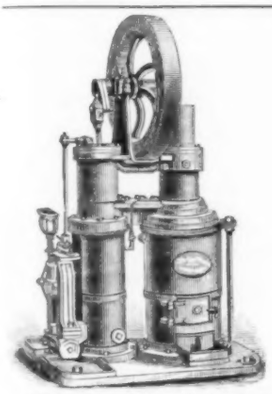

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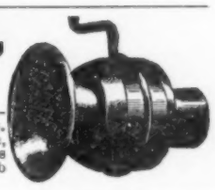

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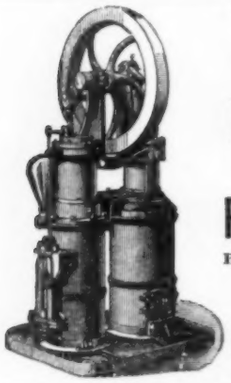

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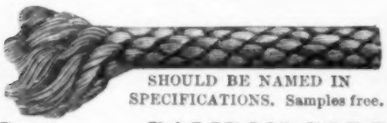

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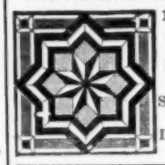

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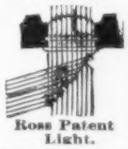

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Awarded the Grand Prize at the late Paris Exposition.

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New Advertisements.

WM. LUITINK & SONS (Milwaukee, Wis.), Door-Hanger. Page 2, Supplement.
STEPHENS, ARMSTRONG & CONKLING (Philadelphia, Pa.), Terra-cotta. Page 2, Supplement.
E. & H. T. ANTHONY CO. (New York, N. Y.), Photographic Outfits. Page 3, Cover.
W. H. MULLINS (Salem, O.), Sheet-Metal Ornament. Page 2, Supplement.
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AMERICAN SCHOOL OF ART AND TAPESTRY CO. (New York, N. Y.), Tapestry. Page v.

WANTED.

POSITION. — Wanted, position as draughtsman; between eight and nine years' experience. Address "C. D.," care *American Architect.* t.f.

WANTED.

POSITION.—Wanted by an architectural draughtsman with eight years practical experience, a position in Boston, and a thorough knowledge of general office-work, construction, and superintendence. Good refences. Address "Architect," 1107 Washington St., Dorchester, Mass. 785

WANTED.

ENGINEER. — Wanted, a first-class engineer capable of taking charge of drawing-room, and who is thoroughly versed in the construction of roofs and building iron-work (German preferred). Address, giving references and stating conditions, The L. Schreiber & Sons Co., 177 Eggleston Ave, Cincinnati, O. 785

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See last or next issue for the following advertisements.

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WANTED.

DRAUGHTSMAN.— Wanted, a competent, steady, first-class draughtsman; permanent position to right man. Address, stating experience and salary, Donaldson & Meier, Moffat Building, Detroit, Mich. 785

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ARCHITECTURAL ASSISTANT.—An architect is open for engagement as assistant architect, draughtsman or superintendent; references if desired. Address "Architect," 142 West Seventieth Street, New York. 786

WANTED.

POSITION.— Wanted, position by first-class draughtsman experienced in architect's iron and bridge work; ornamental work a specialty; also acquainted with fireproof structures, gas, furnace and stove-work. Address "V. R.," *American Architect.* 784

WANTED.

PARTNERSHIP. — A practising architect desiring to change location wishes a partnership or interest with an established architect having a good business, or with a first-rate outside man with good prospects; is a technical graduate, good designer, well up in architectural engineering, good superintendent, and capable of managing a large business. Address "Technic," care of *American Architect.* t.f.

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BUILDING PATENTS.

[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

442,601-602. Apparatus for Filtering Water. —James H. Blessing, Albany, N. Y.

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PROPOSALS.

December 29, 1890. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M., on the 29th day of January, 1891, for furnishing the labor and materials required to complete the approaches to the United States Court-house, Post-office, etc., building at Clarksburg, West Va., also for laying, earthenware sewer-pipe from building to creek in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Custodian. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time herein stated for opening the same; also, all bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for Approaches, etc., for the United States Court-house, Post-office, etc., building at Clarksburg, West Va," and addressed to JAS. H. WINDRIM, Supervising Architect. 785

BUILDING PATENTS.

442,604. Process of and Apparatus for Making Couplings for Wrought-Iron Pipe. — Thos. J. Bray, Warren, Ohio.

442,607. Floor-Clamp. — Erick H. Burnson, Chicago, Ill.

442,632. Elevator.—Stephen J. Martin and Hoyte C. Halstate, Detroit, Mich.

442,651. Hot-Water Heater. — George W. and Arthur W. Walker, Malden, Mass.

442,689. Blind-Hinge.— Lansing Porter, Auburn, N. Y.

442,701. Hot-Water Boiler. — David L. Dwinnell, Montreal, Canada.

442,710. Screw-Driver and Bit-Holder. — Leonardo M. Marsh, Spaulding, Neb.

442,739. Latch. — Thomas S. Shouler, Leicester, Eng.

442,759. Door-Check. — Henry W. Struss, New York, N. Y.

442,783. Window-Screen. — Thomas Robinson, Minneapolis, Minn.

442,784. Pavement. — Frederick C. Schmidt, New York, N. Y.

442,789. Vent-Box.—Walter E. Warner, Brooklyn, N. Y.

442,803. Alarm-Knob.—Edward C. Garlick, Cleveland, Ohio.

442,804. Flushing-Tank for Water-Closets. —Charles Gielow, Chicago, Ill.

442,846. Hot-Air Drum. —Ezra T. Whiting, Dartford, Wis.

442,867. Preservative Compound for Brick, Stone, etc.—Lewis B. Drake, Columbus, Ohio.

442,875. Building.—George Fitch, Lenox, Mass.

442,920. Roofing. — Emil Schumacher, Litchfield, Ill.

442,937. Alarm-Bell.—Thomas M. Bales, Dublin, Ind.

442,944. Sliding-Door. — John R. Bodell, New Salem, Ohio.

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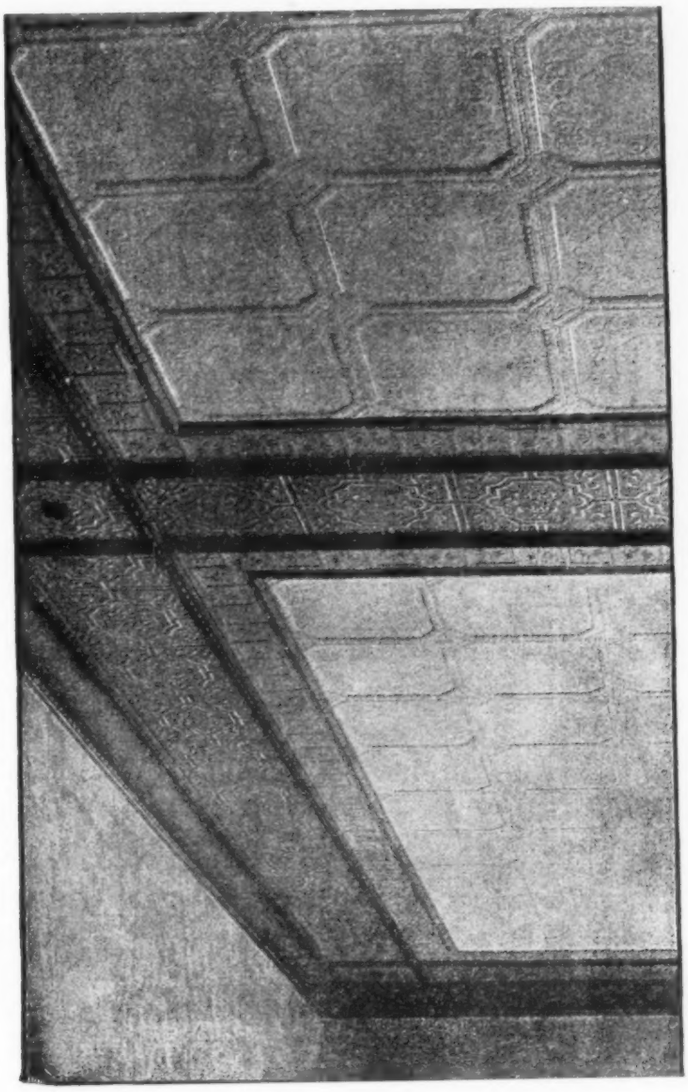

Half-tone Plate, showing view of Ceiling in Dining-room of Rockville Hotel, Rockville, Conn. Formed of 27 x 27 Stamped Steel Panels; small Border of "Greek Fret" pattern; wide Border of 24 x 24 Steel Flat Panels, embossed; Nos. 3 and 15 Enriched Mouldings.

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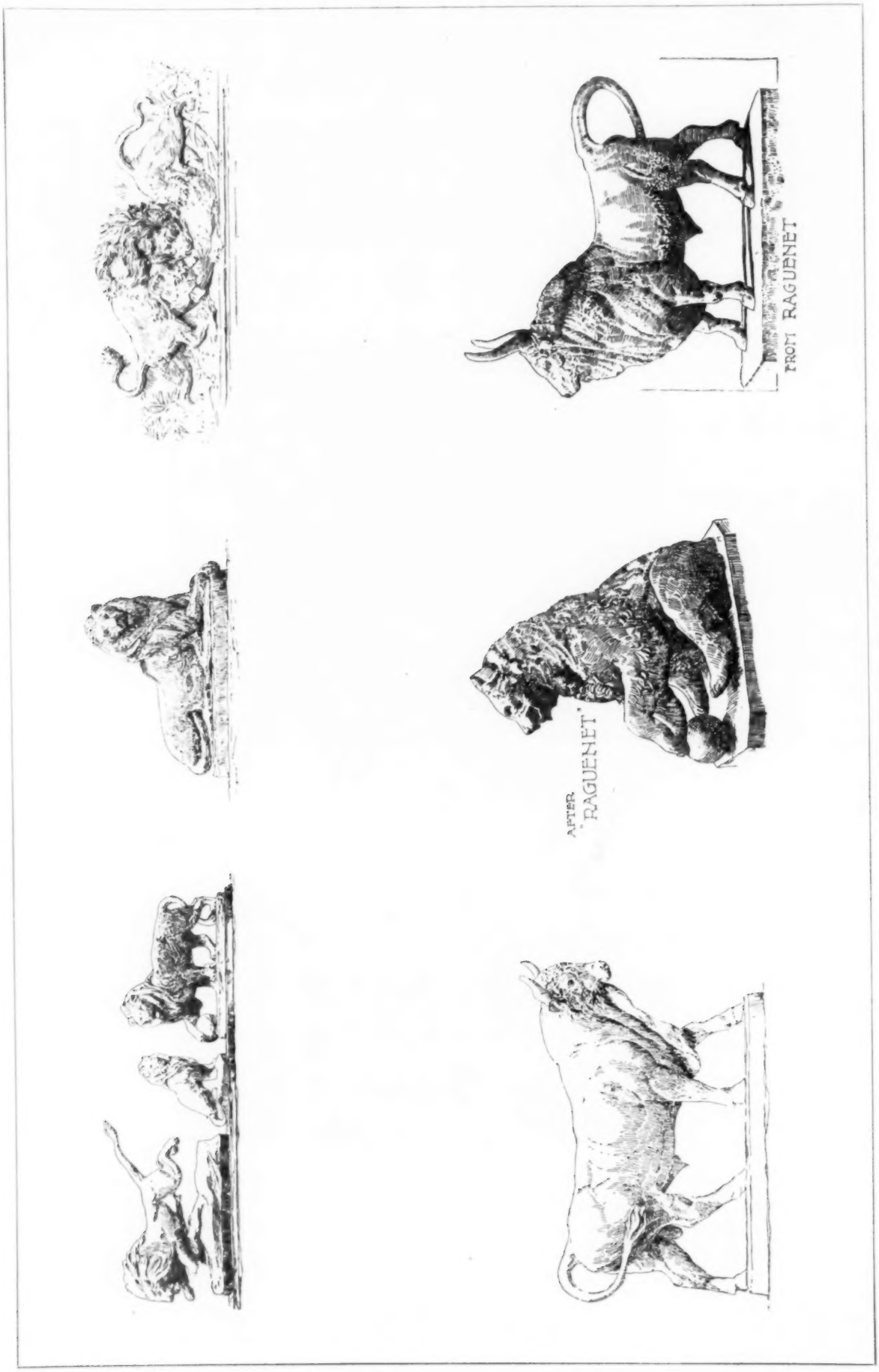
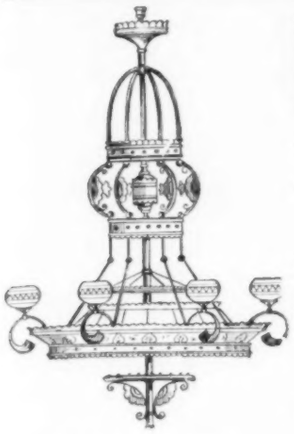


BULLS AND BEARS.



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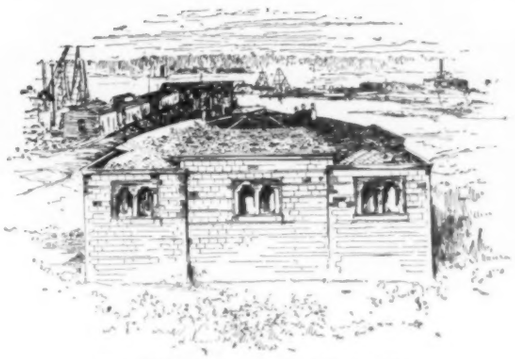

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NEW YORK: 57th St. and N. R. View of the Main Office, N. Y. NEW YORK: 57th St. and N. R.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING DECEMBER 26, 1890.

From Central America.—Steamer "*City of Para*," 18 logs wood, Pomares & Cushman; 2 logs wood, E. E. Dreyfus & Co.; 51 logs wood, W. Hawes & Co.

From Glasgow.—Steamer "*State of Georgia*," 1 block building stone, G. P. Sherwood; 124 cases granite, Austin, Baldwin & Co.; 92 do., W. C. Townsend; 19 cases granite, Henderson Bros.; 58 cases granite, Wm. C. Townsend; 6 cases granite, 25,000 fire-bricks, order.

From Hamburg.—Steamer "*Russia*," 560 casks cement, E. Thiele.

From Havana.—Steamer "*San Agostin*," 19 pieces cedar, Edwin W. Adams & Co.

From Leghorn.—Steamer "*California*," 20 blocks marble, Pells & Co.; 1 do. yellow marble, 17 do. marble, order. Steamer "*Trinacria*," 5 blocks marble, Davidson & Son; 36 blocks marble, 5 blocks yellow marble, order.

From Liverpool.—Steamer "*Servia*," 185 cases bricks, Meeker & Carter.

From Marseilles.—Bark "*San Leonardo*," 1 case asphalt, 250 tons do., E. H. Wootton.

From Matanzas.—Steamer "*City of Alexandria*," 128 cedar logs, Edwin W. Adams & Co.; 30 mahogany logs, H. W. Ehrichs; 54 cedar logs, order.

From Newcastle.—Bark "*Bay of Fundy*," 1,000 casks cement, Hammill & Gillespie.

From Porto Cabello.—Steamer "*Philadelphia*," 4 planks yellow pine, D. A. De Lima & Co.

From Port Spain.—Bark "*Kepha*," 618 tons asphalt, Carter, Hawley & Co.

From Stettin.—Bark "*Cedar Croft*," 2,000 barrels cement, H. Marquardt & Co.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

ALTERATIONS.

Brooklyn, N. Y.—*Park Ave., No.* 811, bet. Throop and Summer Aves., two-st'y frame dwell., tin roof, three-st'y frame extension, internal alterations, etc.; cost, $3,500; owner, Conrad Heid, on premises; architects, David Acker & Son, 852 Broadway.

Minneapolis, Minn.—J. B. Barrett & Co., alteration to saw-mill, First St. and Fifth Ave., s; cost, $20,000.

J. A. Wright, alteration of church to tenement, 119 University Ave., s e; cost, $4,000.

James McMillan & Co., addition to brick building, 209-212 First Ave., n; cost, $10,000.

New York, N. Y.—*East Seventy-first St., No.* 324, five-st'y brick tenement, extension and internal alterations; cost, $4,500; owner, Herrman Cohen, 77 Second St.; architects, Kurtzer & Rohl, cor. Third Ave. and Seventy-seventh St.

Norfolk St., No. 65, five-st'y brick tenement, internal alterations; cost, $3,500; owner, Henry E. Davis, 311 Broome St.; architect, Fred Ebeling, 3 First Ave.

One Hundred and Thirteenth St., n w cor. Lexington Ave., four-st'y brick tenement, extension; cost, $4,000; owner, August Fink, n w cor. One Hundred and Thirteenth St. and Lexington Ave.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

First Ave., Nos. 1657-59, 2 four-st'y brick tenements, internal alterations; cost, $4,500; owner, Sophia Roberts, 206 Second Ave.; architects, Kurtzer & Rohl, cor. Seventh St. and Third Ave.

Fifty-sixth St., n s, 300′ w Second Ave., five-st'y brick factory, internal alterations; cost, $10,000; owner, Thomas Hogan, 337 East One Hundred and Twenty-third St.; architect, Walter C. Hornum, 150 East One Hundred and Twenty-fifth St.

Seventy-first St., s s, 100′ w Avenue A, seven-st'y brick factory, extension; cost, $3,000; owner, Edward Leissner, Fifty-eighth St. and First Ave; architect, Albert Wagner, 67 University Pl.

Eighth Ave., from Forty-ninth to Fiftieth St.; three-st'y brick stable, internal alterations; cost, $7,000; owner, Eighth Ave. R. R., 259 Fifth Ave., architect, James W. Cole, 403 West Fifty-first St.

Philadelphia, Pa.—*Albert St., No.* 1925, new front to dwell.; builder, Harry McCall, 1942 East Lehigh Ave.

North Twenty-ninth St., Nos. 1244-1246, one-st'y addition to dwells.; builder, A. H. Ruff, 1327 Buttonwood St.

Morris St., No. 812, third-st'y brick addition to dwell.; owner, Patrick Higgins, at place.

North Front St., No. 1764, new store front; builder, E. S. Cox, 2602 Montgomery Ave.

Green St., No. 516, front alterations to dwell.; builder, Henry Koch, 408 Fairmount Ave.

North Broad St., No. 204, one-st'y brick annex to factory; contractors, James M. Howard & Son, 1336 Pine St.

Worcester, Mass.—Addition to mill, Webster St.; builder, H. W. Eddy; owner, "Worcester Bleach and Dye Works"; architects, Fuller & Delano.

APARTMENT-HOUSES.

Chicago, Ill.—C. D. Snapp, 2 two-st'y flats, Yale and Seventy-first Sts.; cost, $8,000.

L. C. Bristol, 2 two-st'y flats, 6944-46 Emerald Ave.; cost, $5,000.

A. Carlson, two-st'y flats, 129 Blucher St; cost, $2,000.

P. S. Porter, two-st'y flats, 1179 Southport Ave.; cost, $3,000.

Thomas Havtalka, two-st'y flats, 643 Throop St.; cost, $4,000.

Frank Johnson, 2 four-st'y flats, 107-109 Sedgwick St.; cost, $15,000.

H. & T. Milton, 4 three-st'y flats, Maryland Ave., near Sixty-fifth St.; cost, $8,000.

P. J. Doyle, three-st'y flats, Atlantic and Fifty-sixth St.; cost, $3,000.

Timothy Judge, three-st'y flat, 6650 Holt St.; cost, $7,000.

R. J. Halsh, four-st'y flats, 254 Division St.; cost, $6,000.

Mary E. Davis, 2 two-st'y flats, 231 Dudley Ave.; cost, $3,000.

J. Hutchins, two-st'y flats, 4561 Butterfield St.; cost, $2,000.

S. L. Sheffers, 2 two-st'y flats, Inkerman St., near Forty-sixth St.; cost, $1,600.

Peter Hill, two-st'y flats, South Chicago Ave. and One Hundred and Fifteenth St.; cost, $1,000.

C. F. Diffold, three-st'y flats, 4619 Evans Ave.; cost, $5,000.

J. Lantz, two-st'y flats, Ninety-fifth and Ewing Sts.; cost, $1,800.

M. O. Sullivan, two-st'y flats, Woodland Ridge, 6621 Drexel Ave.; cost, $3,000.

Annie Walsh, two-st'y flats, Forty-second Pl.; cost, $4,000.

Bonnert & Pullen, 6 two-st'y flats, 1421-29 Berkeley St.; cost, $8,000.

M. L. Lieman, three-st'y flats, 373 South Lincoln St.; cost, $4,000.

Minneapolis, Minn.—Edmond Palmer, three-st'y brick flat, 117 East Fifteenth St.; cost, $32,000.

George Galpin, two-st'y frame flats, 2506 Second Ave., s; cost, $4,000.

New York, N. Y.—*Macdougal St.*, s w cor. Vandam St., six-st'y buff brick flats and store; cost, $100,000; owner, James Donney; architect, Andrew Spence.

Eighty-fifth St., s s, 150′ e Columbus Ave., five-st'y brick and stone flat; cost, $30,000; owner, John Bannon; architect, G. A. Schellinger.

Eighty-second St., s s, 100′ w Amsterdam Ave., 2 five-st'y brick flats, tin roofs; cost, $40,000; owners, Wissells & Bradley, 438 West Forty-eighth St.; architect, G. A. Schellinger, 128 Broadway.

Eighty-third St., s s, 175′ w Columbus Ave., five-st'y brick flat, tin roof; cost, $22,000; owner, William Rankin, One Hundred and Sixty-third St. and North River; architect, James W. Cole, 403 West Fifty-first St.

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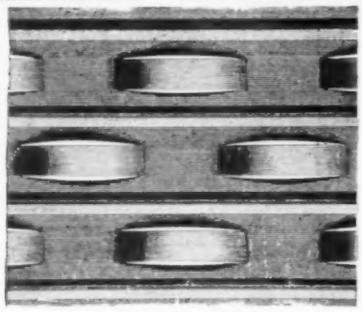

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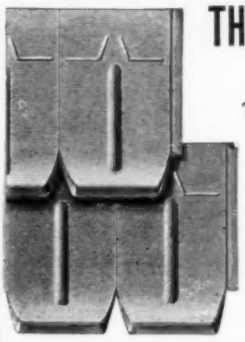

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Henry St., s e cor. Birmingham St., five-st'y brick flat, tin roof; cost, $23,000; owner, Harry Fischel, 55 Norfolk St.; architects, Buchman & Deisler, 8 West Twenty-ninth St.

Third Ave., No. 1105, five-st'y brick flat, tin roof; cost, $28,000; owner, Bernhard Mayer, 227 East Sixtieth St.; architects, Schneider & Herter, 48 Bible House.

Eighth Ave., n e cor. One Hundred and Eighteenth St., 2 five st'y brick flats, tin roofs; cost, $32,000; owner, Philip Braender, 120 East Thirty-sixth St.; architect, William Graul, 215 Broadway.

One Hundred and Sixteenth St., n s, 50′ e Madison Ave, 2 five-st'y brick flats, tin roofs; cost, $50,000; owner, Patrick J. Quinn, 136 West Sixty-sixth St.; architect, James W. Cole, 403 West Fifty-first St.

One Hundred and Thirteenth St., s s, 100′ e Fifth Ave., 4 five-st'y brick flats, tin roofs; cost, $88,000; owner, John S. Scott, 4 West One Hundred and Thirteenth St.; architect, John C. Burne, 1531 Third Ave.

One Hundred and Thirty-third St., n s, 300′ e Seventh Ave., 2 five-st'y brick flats, tin roofs; cost, $44,000; owner, William J. Gilmore, 206 West One Hundred and Thirty-third St.; architect, John C. Burne, 1531 Third Ave.

Madison Ave., n w cor. One Hundred and Fifteenth St., 3 five-st'y brick flats, tin roofs; cost, $85,000; owner, Ann McEntee, 167 East One Hundred and Fifteenth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

East One Hundred and Twenty-second St., No. 305, five-st'y brick flat, tin roof; cost, $16,000; owner, Mary E. Barry, 305 East One Hundred and Twenty-second St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Eighty-third St., n s, 200′ w First Ave., 4 five-st'y brick flats, tin roofs; cost, $80,000; owners, Moore & McLaughlin, 346 East Eighty-first St.; architects, Thom & Wilson, 1267 Broadway.

St. Louis, Mo.—Two-st'y brick flats; cost, $8,500; owner and contractor, J. J. Biszant.

Worcester, Mass.—*Albert St.*, three-st'y frame apartment-house; owner, Dr. W. Davis; contractor, J. Clancy.

CHURCHES.

Laurens, S. C.—The Presybyterians contemplate the building of an edifice, to cost about $12,000.

FACTORIES.

Chicago, Ill.—Schram Bros., three-st'y factory, 16-18 Armour St.; cost, $5,000.

Cincinnati, O.—F. Luebke, three-st'y factory, Cook St., cost, $4,000; architects, G. & A. Brink.

Minneapolis, Minn.—J. Congdon, brick factory, Thirty-first Ave., n e, and Main St.; cost, $12,000.

J. B. Barrett & Co., brick plow works, Spring Lake Pl. and Humboldt Ave.; cost, $10,000.

New York, N. Y.—*East Sixteenth St., Nos.* 539-613, six-st'y brick factory, gravel roof; cost, $35,000; owner, John G. Grissler, 959 Lexington Ave.; architects, Wm. Schickle & Co., 246 Fifth Ave.

St. Louis, Mo.—Three-st'y brick factory; cost, $3,000; owners, St. Louis Lace Leather Co.; sub-let.

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Sterling, Mass.—Four-st'y frame hotel; owners, Stock Company; president, H. E. Hill, Worcester; architect, Stephen C. Earle, Worcester.

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Baltimore, Md.—J. C. & W. U. Dowling, 8 two-st'y brick buildings, n s Fort Ave., beg. n w cor. Hall St.

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Boston, Mass.—*Warren Ave.*, near Harvard St., Ward 24, two frame dwells., hip roofs, 22′ x 56′; owner, J. S. McLean; builder, T. A. Ross.

Saratoga St., No. 49, Ward 1, three-st'y frame dwell., flat roof, 21.6′ x 67′; owners, The Central Associates; builder, J. C. Hamilton.

Mozart St., near Chestnut Ave., Ward 23, three-st'y frame dwell., pitch roof, 24′ x 44′; owner and builder, J. W. Priesing.

Bennington St., Ward 1, three-st'y frame dwell., flat roof, 21.6′ x 51′; owners and builders, Hatt & Rogers.

Brooklyn, N. Y.—*Eighteenth St.*, n s, 176′ e Fifth Ave., three-st'y frame dwell., tin roof; cost, $3,400; owner, C. A. Knight, Berkeley Pl.

BUILDING INTELLIGENCE.

Somers St., s s, 300′ e Stone Ave., four-st'y frame dwell., tin roof; cost, $4,000; owners, Robert Given & Furber, 55 Canton St.; architect, Henry Loeffler, Jr., 788 Myrtle Ave.

Madison St., s s, 100′ e Hamburg Ave., two-st'y frame dwell., tin roof; cost, $3,000; owner, architect and builder, George A. Craig, 1270 Madison St.

Sutter Ave., n s, 50′ e Hinsdale St., 3 two-st'y frame dwells., tin roofs; cost, $2,500 each; owner, John F. Smith, 82 Shedicor Ave.; architect, O. S. Totten, Eastern Parkway, near Hinsdale St.

Flushing Ave., s s, 225′ e Nostrand Ave., 3 three-st'y frame dwells., tin roofs; total cost, $12,000; owner, A. Wessell, 58 Hopkins St.; architects, D. Acker & Son, 752 Broadway.

Prospect Pl., s s, 153′ e Classon Ave., two-st'y brick dwell., felt, cement and gravel roof; cost, $3,000; owner, Timothy D. Lyons, 250 St. James Pl.

Fourth St., s s, 200′ e Sixth Ave., 6 three-st'y brick dwells., tin roofs; cost, $8,000; owners, Moses & Tanton, Seventh Ave., near Fourth St.; architect, George M. Miller, 420 Fifth Ave.

Madison St., s s, 90′ w Sumner Ave., 2 four-st'y brick dwells., tin roofs; cost, $10,000 each; owner, Richard Geary, 468 Madison St.; architect, William Godfrey, 576 Madison St.

Atlantic Ave., n s, 73′ e Suydam Pl., 3 two-st'y frame dwells., tin roofs; cost, $2,000 each; owner and architect, John Dhery, 798 Herkimer St.

Forty-fifth St., s s, 360′ e Fifth Ave., 2 two-st'y frame dwells., tin roofs; cost, $1,750 each; owners, Hughes Bros., 360 Forty-fifth St.

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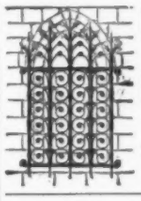

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Ferry Ave. and Van Buren St., 2 two-st'y brick dwells.; owner, David C. Hunter.

Ferry Ave., cor. Viola St., two-st'y brick dwell.; owner, David C. Hunter.

Willard St., e s, bet. Elm and Main Sts., 21 two-st'y brick dwells.; builder, Charles W. Cox, 822 Federal St.

Kaighns Ave., cor. Third St., two-st'y brick dwell.; owner, Henry H. Davis.

Sylvan St., cor. Ninth St., two-st'y frame dwell.; owner, D. Pierson.

Cooper St., e Eleventh St., 3 two-st'y brick dwells.; builder, James S. White, Washington and Third Sts.

Bulson St., e Seventh St., two-st'y frame dwell.; owner, C. Stitser.

Mount Vernon St., two-st'y brick dwell.; owner, Jos. E. Hartman, 531 Liberty St.

Chicago, Ill.—E. L. Kendell, two-st'y dwell., 5622 Morgan St.; cost, $2,000.

Potter Palmer, 5 three-st'y dwells., 408-416 North State St.; cost, $40,000.

A. E. Skisler, 2 two-st'y dwells., Wright and Seventieth Sts.; cost, $3,000.

C. David, two-st'y dwell., 1076 St. Louis Ave.; cost, $1,700.

William Dykeman, 2 two-st'y dwells., 374 and 275 Fifty-second St.; cost, $5,500.

D. S. Murphy, 4 two-st'y dwells., Paulina and Berteau Sts.; cost, $8,500.

J. McConnell, two-st'y dwell., Lafayette and Seventy-second Sts.; cost, $2,500.

J. A. Hartman, cottage, Avenue J; cost, $1,800.

C. C. Haskins, two-st'y dwell., 485 Forty-second St.; cost, $7,000.

Frank L. Peirl, two-st'y dwell., 236 Sunnyside St.; cost, $4,000.

W. H. Mulholand, cottage, 233 Jensen Ave.; cost, $1,500.

BUILDING INTELLIGENCE.

Thomas Brabnec, cottage, 596 West Seventeenth St.; cost, $2,200.

William Frink, 3 two-st'y dwells., Morris St., near Wright St.; cost, $4,200.

Strandberg & Lundgren, two cottages, 6005 and 6014 Cook St.; cost, $1,400.

Oscar R. Arnold, two-st'y dwell., Belmont St., near Washington St.; cost, $2,000.

W. H. Berger, 4 two-st'y dwells., 3811-17 Langley Ave.; cost, $8,000.

Cincinnati, O.—W. A. Mane, two-and-one-half-st'y dwell., Ingerside Ave.; cost, $4,500; architect, W. G. Williams.

Minneapolis, Minn.—George H. Hoit & Co., brick dwell., 1811 Park Ave.; cost, $12,000.

T. P. Healy, frame dwell., 2602-11 Lindley Ave.; cost, $5,000.

Fred Low, frame dwell., 2209-11 Polk St., n e; cost, $4,000.

G. B. Coffin, frame dwell., 2928 Second Ave., s; cost, $3,500.

W. H. Lynn, frame dwell., 1544 Mount Curve Ave.; cost, $7,000.

J. H. Thompson, frame dwell., 147-149 North Fifteenth St.; cost, $10,000.

A. Neland, frame dwell., Richfield Ave., s shore Lake Calhoun; cost, $7,000.

E. S. Kendrick, two-st'y brick and frame dwell., 230 Oak Grove St.; cost, $12,000.

Worcester, Mass.—Two-st'y frame dwell.; owner, B. H. Harvey; contractor, J. Gallagher.

Tainter St., 3 three-st'y frame dwells.; owners and contractors, H. L. Putman & Co.

Buffum St., two-st'y frame dwell.; owner, F. E. Larkham.

Oberlin St., one-st'y frame dwell.; owner and contractor, H. B. Pender.

Oberlin St., three-st'y frame dwell.; owner and contractor, H. B. Pender.

Coburn Ave., 2 one-st'y frame dwell.; owner, H. H. Bigelow; contractors, Ward & Blanding.

BUILDING INTELLIGENCE.

Pleasant St., three-st'y frame dwell.; owner and contractor, H. L. Davis.

Vinton St., two-st'y frame dwell.; owner and contractor, C. H. Knapp.

Clarence St., one-st'y frame dwell.; owner, Geo. A. Brigham; architects, Patstone & Lincoln.

Boyden St., one-st'y frame dwell.; owner, Mrs. M. Shaw; contractor, P. Casey.

Green St., three-st'y frame dwell.; owner, J. Harrup; contractor, J. A. Conway.

Three-st'y frame dwell.; owner, J. McGurl; architect, W. H. Harvey.

Sever St., two-st'y private dwell; owner, Wm. Maynard; contractor, A. M. Kelley; architects, Fuller & Delano.

Hudson St., one three-st'y and 2 two-st'y frame dwell.; owners and contractors, Miles & Houck.

Chandler St., two-st'y frame dwell.; owner, A. C. Homer; contractor, H. G. Hadley.

Oberlin St., three-st'y frame dwell.; owner and builder, J. B. Tucker.

Bancroft St., two-st'y frame dwell.; owner and builder, Geo. Kingston.

Kinsbury St., two-st'y frame dwell.; owner and builder, Geo. Kingston.

OFFICE-BUILDINGS.

Boston, Mass.—*Utica St., Nos.* 76-78, Ward 12, two-st'y brick offices, flat roof, 40' x 40'; owner, G. W. Armstrong; builders, Johnson Bros.

Brooklyn, N. Y.—*Kent Ave.*, n e cor. North Ninth St., three-st'y brick office-building, tin roof; cost, $20,000; owner, L. M. Palmer, 47 North Fourth St.; architect, George B. Post, 33 East Seventeenth St.

Chicago, Ill.—Wilbreth & Riley, two-st'y office and flats, Ninety-third St. and Huston Ave.; cost, $2,500.

Minneapolis, Minn.—A. McKay, four-st'y brick and stone office-building, 325 First Ave., s; cost, $27,500.

St. Louis, Mo.—One-st'y office; cost, $4,400; owners, St. Louis Brewing Association; contractor, A. H. Haesseler.

RAILROAD-BUILDINGS.

Cincinnati, O.—Cincinnati St. Ry. Co., station, Eastern Ave.; cost, $5,000; architect, Bert L. Baldwin.

C. C. C. & St. Louis R. R., round-house, Third St.; cost, $12,000; architect, J. Stewart.

SCHOOL-HOUSES.

Baltimore, Md.—Six-st'y brick addition to St. Mary's Seminary, n w s Paca St., bet. Druid Hill Ave. and Franklin St.

Chicago, Ill.—Miss E. S. Kirkland, three-st'y school-house and dwell., 38-40 Scott St.; cost, $50,000.

STABLES.

Boston, Mass.—*Walter St., rear*, near South St., Ward 23, one-st'y frame stable, pitch roof, 20' x 40'; owner, W. H. Devens.

Parker St., No. 806, rear, Ward 22, one-st'y frame stable, pitch roof, 16' x 20'; owner, P. O'Brien.

Stanton St., No. 24, rear, Ward 24, one-st'y frame stable, pitch roof, 25' x 31'; owner, G. H. Witt; builder, R. C. Hurlburt.

Brooklyn, N. Y.—*Fourth Ave.*, w s, 70' s Forty-third St., two-st'y brick stable for police-station, tin roof; cost, $15,000; owner, City of Brooklyn; architect, George Ingram, 357 Fulton St.

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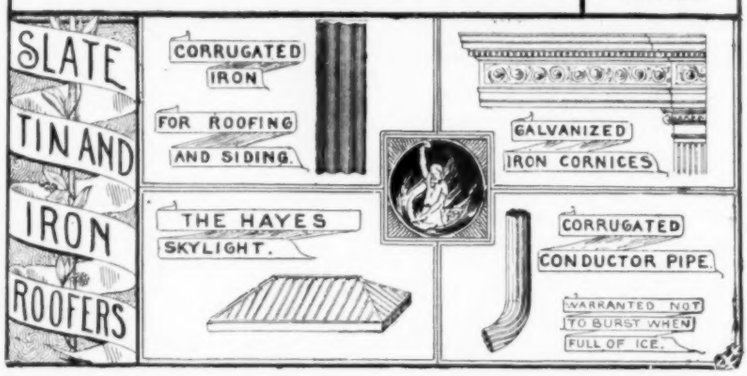

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BUILDING INTELLIGENCE.

Flushing Ave., s s, 84′ e Clermont Ave., two-st'y brick stable, tin roof; cost, $10,000; owner, City of Brooklyn; architect, George Ingram, 357 Fulton St.

Bedford Ave., w s, 90′ w Prospect Pl., two-st'y brick stable, tin roof; cost, $14,000; owner, R. W. Gleason, Hancock St., near Nostrand Ave.; architect, George P. Chappell, 24 State St., New York.

Chicago, Ill.—A. McIntosh, 2 two-st'y barns, 3522-24 Michigan Ave.; cost, $2,000.

M. E. Sanford, barn, Fifty-seventh and Washington Sts.; cost, $2,800.

Minneapolis, Minn.—O. C. Wyman, frame barn, 2500 Park Ave.; cost, $30,000.

New York, N. Y.—*East Seventy-seventh St., No.* 115, three-st'y brick stable, tin roof; cost, $12,000; owner, Frank P. Perkins, Irvington, N. Y.; architect, F. Tyrrell, 430 East Seventy-second St.

STORES.

Brooklyn, N. Y.—*Eighth Ave.*, s w cor. Windsor Pl., 4 three-st'y brick stores and dwells., tin roofs; total cost, $22,000; owner, Thomas Brown, Garfield Building; architect, Walter A. Fischer, Fifty-fifth St. and Third Ave., New York City.

Hicks St., n e cor. Poplar St., five-st'y brick store and dwell., tin roof; cost, $15,000; owner, Mrs. Ida Edwards, 183 Montague St.; architect, W. M. Coots, 26 Court St.

Irving Ave., n e cor. Green Ave., 2 three-st'y frame stores and dwells., tin roofs; total cost, $9,500; owner, architect and builder, A. Dillman, Knickerbocker Ave. and Harman St.

Third Ave., n w cor. Fifty-third St., 2 two-st'y brick stores, tin roofs; cost, $4,000 each; owner, George H. Parschall, 173 Fifty-third St.; architect, Thomas Bennett, Third Ave. and Forty-ninth St.

Central Ave., e s, 95′ s Linden St., three-st'y frame store and dwell., tin roof; cost, $4,500; owner, F. Coleman Wood, 1057 Greene Ave.; architect, Henry Vollweiler, 486 Hart St.

Chicago, Ill.—Albert Griesse, three-st'y store and flats, 778 West Division St.; cost, $12,000.

L. B. Kadisch, 4 three-st'y stores and flats, 2321-29 Wabash Ave.; cost, $75,000.

Christian Ahumel, 2 four-st'y stores and flats, 25-27 Austin Ave.; cost, $8,000.

William Wellschlager, two-st'y store and flats, 3646 Ashland Ave.; cost, $6,500.

The Sullivan estate, four-st'y stores and flats, 228-232 North State St.; cost, $17,000.

Albert Fuchs, two-st'y store and flats, 5148 Halsted St.; cost, $1,600.

A. Frank, 3 four-st'y stores and flats, 625-529 Laflin St.; cost, $16,000.

A. Cohen, two-st'y store and dwell., Paulina St., near Fifty-first St.; cost, $3,500.

P. Roach, two-st'y store and dwell., 4719 Ashland Ave.; cost, $2,500.

Charles Munch, 2 four-st'y stores and flats, 392-394 Milwaukee Ave.; cost, $23,000.

B. Callahan, 3 three-st'y stores and flats, 134-136 Thirty-fifth St.; cost, $30,000.

John Kundson, three-st'y store and flats, 739 North Western Ave.; cost, $7,000.

H. Anderson, 2 three-st'y stores and flats, 235-237 West Indiana St.; cost, $12,000.

William Kroisinberg, three-st'y store and flats, Ninety-first and Ontario Sts.; cost, $5,000.

H. T. Harrison, three-st'y store and flats, 85-87 Forty-eighth St.; cost, $2,700.

Thomas J. Leonard, 2 four-st'y stores and flats, 480 West Indiana St.; cost, $15,000.

Theodore Koenig, three-st'y store and flats, 174 Ninety-second St.; cost, $5,000.

J. Dongieger, three-st'y store and flats, 546 South Western Ave.; cost, $6,000.

Frank Wisemon, store and flats, 286 West Division St.; cost, $3,000.

A. E. Jacobs, four-st'y store and flats, 5048 Ogden Ave.; cost, $15,000.

Eliza Simon, three-st'y store and flats, 993 Sheffield Ave.; cost, $5,000.

James M. Krolove, three-st'y store and flats, 924-928 Ashland Ave.; cost, $20,000.

William Hoff, two-st'y store and flats, 3758 Emerald Ave; cost, $4,200.

F. Meholm, two-st'y store, 50 Belron St.; cost, $4,000.

Henry Pappe, three-st'y store and flats, 825 Twenty-second St.; cost, $6,000.

Henry Piper, 4 two-st'y stores and flats, 609 Wells St.; cost, $30,000.

Herman J. Kaage, three-st'y store and flats, 1378 North Halsted St.; cost, $6,000.

J. & J. Gubbing, two-st'y store and flats, 108 Kedzie St.; cost, $8,000.

J. W. Cunning, 5 four-st'y stores and flats, 356-364 West Adams St.; cost, $75,000.

Midderdorff & Cropper, four-st'y stores and flats, 4521-4526 Cottage Grove Ave.; cost, $25,000.

I. Mardi, three-st'y store and flats, 499 West North Ave.; cost, $6,500.

M. Winkler, 8 four-st'y stores and flats, Clark and Belmont Sts.

Springfield, Mass.—Wallace Shaw, four-st'y brick block of stores and tenements, brown stone trimmings, Water St.; cost, $6,000; architect, J. M. Currier.

TENEMENT-HOUSES.

Boston, Mass.—*Hanover St., No.* 398, Ward 6, five-st'y brick tenement, flat roof, 22.9′ x 28.6′; owner, John Feeney; builders, Orne & Lawrence.

Brooklyn, N. Y.—*St. Mark's Ave.*, s s, 200′ e Vanderbilt Ave., 3 four-st'y brick tenements, tin roofs; total cost, $25,000; owner, Ellen T. Martin, 335 Lafayette Ave.; architect, Amzi Hill, 1161 Fulton St.

Minneapolis, Minn.—J. A. Wright, three-st'y brick veneer tenement, 113-117 University Ave., s e; cost, $10,000.

New York, N. Y.—*One Hundred and Twentieth St.*, s s, 125′ w Eighth Ave., 3 five-st'y brick tenements, tin roofs; cost, $33,000; owner, James Thompson, 22 Mulberry St., Yonkers, N. Y.; architect, John E. Kirby, 58 Liberty St.

Sixteenth St., No. 217, five-st'y brick tenement, tin roof; cost, $12,000; owner, Julius Boekel, 54 Bond St.; architects, J. Boekel & Son, 54 Bond St.

WAREHOUSES.

Cincinnati, O.—C. C. C. & St. Louis R. R., three-st'y warehouse, Central Ave.; cost, $4,500; architect, W. G. E. Field.

New York, N. Y.—*West Thirty-fifth St., No.* 154, seven-st'y brick and iron storage warehouse; cost, $40,000; owners, Lowen & Halliday; architect, Jas. W. Cole.

St. Louis, Mo.—Five-st'y brick warehouse; cost, $25,000; owner, H. H. Haeussler; sub-let.

MISCELLANEOUS.

Boston, Mass.—*Heath St., No.* 235, Ward 22, five-st'y brick brewery and storehouse, hip roof, 109′ x 132′; owners, American Brewing Co.; builders, W. A. & H. A. Root.

North Ferry Ave., near Sumner St., Ward 2, one-st'y frame ferry-house, 44′ x 180.4′; owner, City of Boston.

East First St., rear, near O St., Ward 14, two-st'y frame mechanical building, 40′ x 80′; owners and builders, G. Lawley & Son.

Brooklyn, N. Y.—*Forty-third St.*, s w cor. Fourth Ave., three-st'y brick police-station, tin roof; cost, $34,000; owner, City of Brooklyn; architect, Geo. Ingram, 357 Fulton St.

Green St., n e cor. Provost St., two-st'y brick machine-shop, gravel roof; cost, about $4,000; owner, John C. Provost, 146 Hewes St.; architects, James Beggs & Co., 9 Dey St.

Eastern Parkway, Vesta and Sutter Aves., two frame open tanks; cost, $4,000; owners, Ridgewood Land and Improvement Co., George W. Chauncey, Pres.; architect, W. M. Coots, 26 Court St.

Scholes St., n s, 75′ e Bushwick Ave., 3 four-st'y brick buildings, to be used as a storage-house for lager beer, machine-house and boiler-house, tin and corrugated iron roofs; cost, $28,000; owner, Ernest Oehs; architects, Charles Stoll & Sons, 314 Driggs St.

Spencer St., Nos. 144-146, 112′ s Myrtle Ave., two-st'y brick blacksmith shop, tin roof; cost, $4,000; owner, Theodore B. Kolyer, 148 Spencer St.; architect, Edward Van Voorhis, 903 Kent Ave.

Clermont Ave., s e cor. Flushing Ave., three-st'y brick police station, tin roof; cost, $28,000; owner, City of Brooklyn; architect, George Ingram, 357 Fulton St.

Willoughby Ave., n s, 200′ w Evergreen Ave., one-st'y frame gymnasium, tin roof; cost, $3,000; owners, Brooklyn Labor Lyceum Association, 67-69 Myrtle St.; architect, Julius Harder, 237 Broadway, New York City.

Chicago, Ill.—Ernest Tank, two-st'y ice-house, 50-52 Clyde St.; cost, $3,500.

A. Sandstrom & Co., one and two st'y foundry, 4508-4524 La Salle St.; cost, $5,000.

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BUILDING INTELLIGENCE.

A. Plamsdon Mfg. Co., one-st'y foundry, 1281-1303 Harvard St.; cost, $9,000.

John Ruzicka, two-st'y shop, 67 Frank St.; cost, $4,000.

Newberry Library, foundation, Walton Pl., from Clark to Dearborn Sts.; cost, $30,000.

Cincinnati, O. — M. J. Perin, four-st'y business building, Vine St.; cost, $10,000; architect, Mr. Bramubaugh.

John Hauck Brewing Co., cellar for brewing-house, Linn St.; cost, $8,000; architects, Wolf & Co.

Durham, N. C.—The First National Bank, a bank building; cost, about $25,000.

East Chattanooga, Tenn. — The building of a "cotton palace," to cost about $250,000, is reported to be in contemplation.

Minneapolis, Minn. — S. S. Linton & Co., grain elevator, Great Northern tracks and Thirteenth Ave., s e; cost, $12,500.

L. F. Menage, two-st'y brick manufacturing building, Bryant Ave., bet. Sixth and Eighth Aves., n; cost, $8,500.

James & Byrnes, four-st'y double brick block, 145-147 Washington Ave., n; cost, $37,500.

Leighton & Barrows, frame saw-mill, river bank at foot of Plymouth Ave.; cost, $40,000.

Philadelphia, Pa.—At the regular meeting of the Master "Builders' Exchange" on November 4, the proposed bill to revise the building laws was discussed for the purpose of submitting changes in it to the Legislature.

[*Continued in Supplement.*]

PROPOSALS.

PROPOSALS FOR CAST-IRON DOOR AND WINDOW FRAMES AND WASHBOARDS. Office of Building for Library of Congress, No. 145, East Capitol Street, Washington, D. C., December 30, 1890. Sealed proposals for furnishing, delivering and putting in place complete the cast-iron frames, casings and trimmings for doors, windows and washboards in the basement and first story, and the cast-iron frames for doors and windows in the cellar of the building for the Library of Congress, in this city, will be received at this office until 2 o'clock P. M. on Wednesday, the 4th day of February, 1891, and opened immediately thereafter in presence of bidders. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application at this office. BERNARD R. GREEN, Superintendent and Engineer. 786

PROPOSALS.

December 17, 1890. Sealed proposals will be received at the office of the Supervising Architect-Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 15th day of January, 1891, for all the labor and materials required for the plumbing, gas-piping, etc., for the United States Court-house, Post-office, etc., building at Denver, Col., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Denver, Col. Each bid must be accompanied by a certified check for $200. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Plumbing, Gas-piping, etc., for the United States Court-house, Post-office, etc., at Denver, Col.," and addressed to JAS. H. WINDRIM, Supervising Architect. 784

December 17, 1890. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 13th day of January, 1891, for all the labor and materials required to put in place complete the cast-iron columns in basement, the stands for the first-story columns, and the iron beams, girders, etc., for the first floor of the United States Post-office, Court-house, etc., building at Troy, N. Y., in accordance with the drawing and specification, copies of which may be had on application at this office or the office of the Superintendent at Troy, N. Y. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for Iron Columns in Basement, First Floor Iron Beams, Girders, etc., for the United States Post-office, Court-house, etc., at Troy, N. Y.," and addressed to JAS. H. WINDRIM, Supervising Architect. 784

United States Engineer Office, 34 West Congress Street, Detroit, Mich., November 28, 1890. Sealed proposals, in triplicate, for furnishing all materials and labor, and building the masonry of a lock at St. Mary's Falls Canal, Mich., will be received at this office until 2 o'clock P. M., January 27, 1891, and then publicly opened. Preference will be given to mate-

(*Continued on page* xxiv.)

Sanitary Appliances

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THE CELEBRATED SOLID WHITE CROCKERY STATIONARY WASH-TUBS.

The only Perfect Sanitary Tubs now in Existence.

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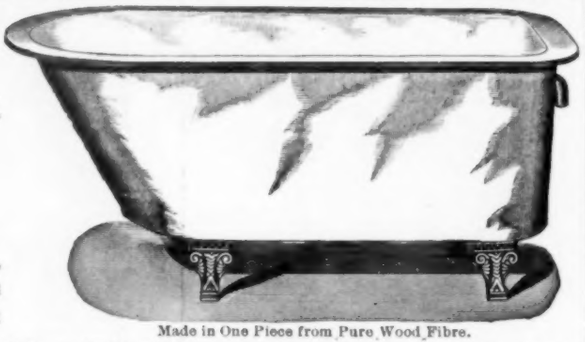

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PROPOSALS.

rials of domestic production or manufacture, conditions of quality and price (import duties included) being equal. Attention is invited to Acts of Congress approved February 26, 1885, and February 23, 1887, Vol. 23, page 832, and Vol. 24, page 414, Statutes at Large. The Government reserves the right to reject any or all proposals; also to award the contract upon other considerations than the price. For further information apply at this office or to the United States Engineer Office, Sault. Ste. Marie, Mich. O. M. POE, Colonel Corps of Engineers, Bvt. Brig. Gen., U. S. A. 785

THIRTEENTH REGIMENT ARMORY.
[At Brooklyn, N. Y.]

THIRTEENTH REGIMENT ARMORY COMMISSION,
MAYOR'S OFFICE, CITY-HALL,
BROOKLYN, N. Y., December 10, 1890.

NOTICE TO CONTRACTORS.

Sealed proposals will be received at this office **until the 14th day of January, 1891, at 12 o'clock** M., for each of the following purposes:

FIRST: For the amount of the cost of the construction of the whole Armory, including mason-work and works, carpenter-work and works, iron-work and works, steam-heating work and works, plumbing-work and works, contained in the respective specifications.
Amount of deposit, 5 per cent on estimated cost.
Amount of surety, 30 per cent on estimated cost.

SECOND: For the:
MASON-WORK AND WORKS contained in the Mason's Specification for the construction of the Thirteenth Regiment Armory.
Amount of deposit, 5 per cent on estimated cost.
Amount of surety, 30 per cent on estimated cost.

ALSO FOR:
The CARPENTER-WORK AND WORKS contained in the Carpenter Specification for the construction of the Thirteenth Regiment Armory.
Amount of deposit, 5 per cent on estimated cost.
Amount of surety, 30 per cent on estimated cost.

ALSO FOR:
The IRON-WORK AND WORKS contained in the Iron Specification for the construction of the Thirteenth Regiment Armory.
Amount of deposit, 5 per cent on estimated cost.
Amount of surety, 30 per cent on estimated cost.

ALSO FOR:
The STEAM-HEATING WORK AND WORKS contained in the Steam-Heating Specification for the construction of the Thirteenth Regiment Armory.
Amount of deposit, 5 per cent on estimated cost.
Amount of surety, 30 per cent on estimated cost.

ALSO FOR:
The PLUMBING-WORK AND WORKS contained in the Plumbing Specification for the construction of the Thirteenth Regiment Armory.
Amount of deposit, 5 per cent on estimated cost.
Amount of surety, 30 per cent on estimated cost.

Each proposal must be accompanied by a deposit in money or by a certified check in the same amount, payable to the order of the Mayor of the City of Brooklyn, in the sum above specified for each of the separate works, such check or amount of money to be returned to the bidder in case his bid is rejected.

Plans may be seen at the office of the Department of Parks, City-Hall, and the office of the County Clerk, Hall of Records. Specifications may be obtained and forms of proposals can be procured on application to the Secretary at the Mayor's office.

Proposals for each of the separate works above stated to be made in two parts: one to include the cost of building from westerly property line to easterly line of westerly gable wall separating administration building and drill-hall; the other part of proposal to state the cost of balance of building.

The contracts, if accepted by the Commission, will be awarded at present, building operations to be commenced as soon as the weather will permit in the spring, and when notified by the Commission.

The mason-work to be completed within twelve months after such notification, and all the above other works stated to be completed within eighteen months thereafter.

Proposals will not be considered unless each proposal shall be accompanied by the deposit aforesaid, and also by an undertaking in writing, with two sureties, each of whom shall qualify as to his responsibility in the respective sums above mentioned, and who shall be owners of real estate in the County of Kings and the City and County of New York, in their own right, in the amount of such surety, and shall have held the same for at least one year prior to the time of becoming such surety, that if the contract be awarded to the party or parties proposing, they will become bound as his or their surety for its faithful performance; and, in case he or they shall neglect or refuse to execute the contract, if so awarded them, that they will pay to the Commission the difference between the price so proposed and the price at which the contract may be made with any other person or persons. Proposals to be endorsed "To the Thirteenth Regiment Armory Commission" (specifying work). The said proposals will be publicly opened and announced on the 14th day of January, 1891, at the hour of 12 o'clock M., provided that the Commission, or a majority of the Commission, be present. In case of the absence of the members of the Commission, then on the first day thereafter when they may be convened.

The Commission reserves the right to reject any or all bids for the construction of said work, if they deem it for the best interests of the County so to do.

ALFRED C. CHAPIN, Mayor.
GEORGE V. BROWER, President of Department of Parks.
HENRY H. ADAMS, County Treasurer.
WM. J. KAISER, County Clerk.
DAVID E. AUSTEN, Col. 13th Regt., N. G.
} Commissioners.

Attest:
DANIEL B. PHILLIPS, Secretary. 785

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PROPOSALS.

COL. GEORGE E. WARING, JR., C. E. etc., in his recent work on Sewerage and Land Drainage, in speaking of traps liable to siphonage, says: "the best remedy would be to supply the defective traps at their summits with McClellan's Mercury Seal-Trap Vent, a perfectly safe device, of little cost, simple and easy of application, and sure to supply air when needed."

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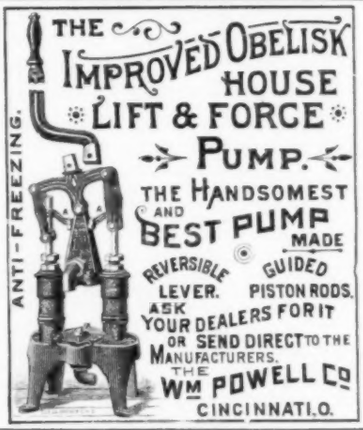

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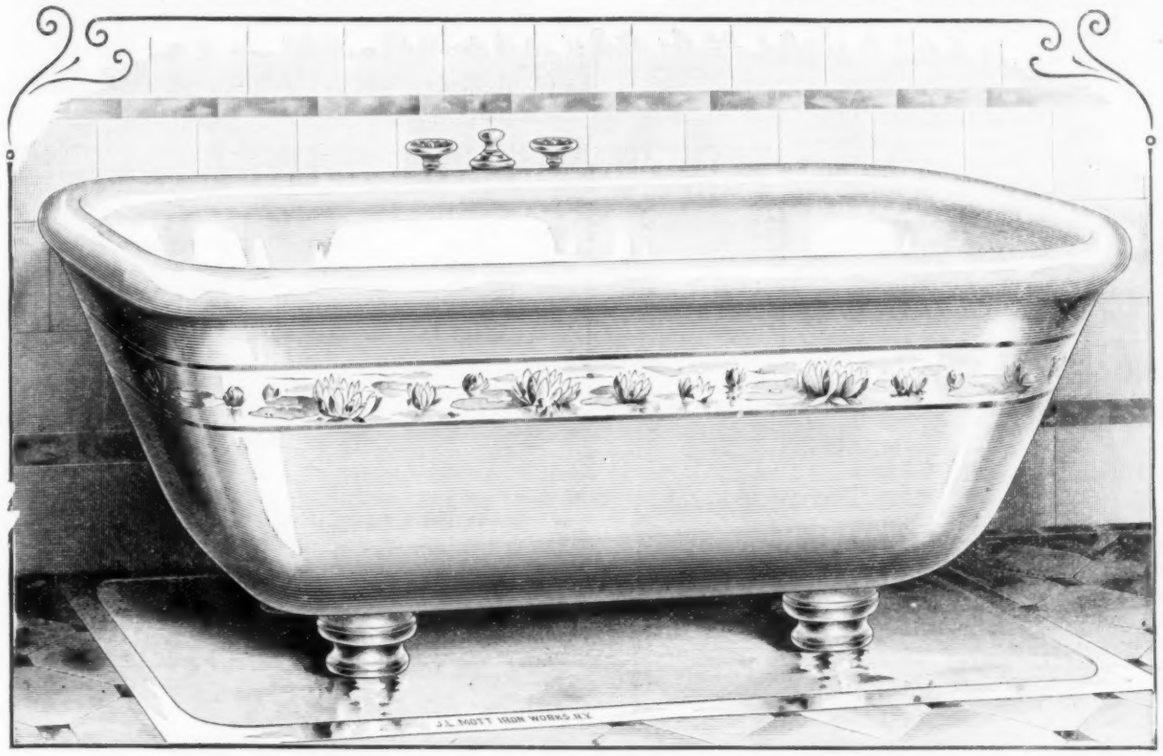

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[*See Alphabetical Index on page VII for Pagination.*]

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E. H. Wootton, New York

Asphalt Roofing.
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H. A. Williams Mfg. Co., Boston, Mass. (mon)

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Waldo Bros., Boston
Washington Hydraulic-Press Brick Co., Washington, D. C.

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Bronzework.
Bureau Bros., Philadelphia, Pa. (mon)

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H. S. Northrop, New York

Cement (Hydraulic).
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Cement.
Alsen's Cement Works, New York, N. Y. (cow)
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E. W. Fisher, New York
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Johnson & Wilson, New York
J. B. King & Co., New York
Sinclair & Babson, New York (mon)
E. Thiele, New York, N. Y.

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Harwood Manufacturing Co., Boston

Chimney Tops.
H. M. Hansen, Chicago, Ill. (mon)

Colorist.
E. Eldon Deane, Boston, Mass.

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Armor, Martin & Co., Allegheny, Pa. (cow)
W. Austin Obdyke & Co., Philadelphia
Boston Spiral Tube Works Boston
Sonderless Standing-Seam Conductor Co., Allegheny, Pa.

Conservatories.
Lord & Burnham Co., Irvington-on-Hudson, N. Y.
Josephus Plenty, New York

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Flynt Building & Construction Co., Palmer, Mass.

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S. Cabot, Boston.

Decorators.
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Donald McDonald, Boston
W. J. McPherson, Boston.

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Norton Iron Co., Boston.

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Wm Luitink & Sons, Milwaukee, Wis.

Door Knobs.
J. Bardsley, New York.

Draughtsmen's Exchange.
R. W. Parry, Philadelphia, Pa. (mon)

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Keuffel & Esser Co., New York, N. Y. (cow)
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Electrical Supplies.
Edison General Electric Co., New York
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Crane Elevator Co., Chicago Ill.
Ellithorpe Air-Brake Co., New York
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Volney W. Mason & Co., New York.
Moore & Wyman, Boston.
Morse, Williams & Co., Philadelphia.
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Springfield Foundry Co., Springfield, Mass.
Whittier Machine Co., Boston

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Engines (Gas).
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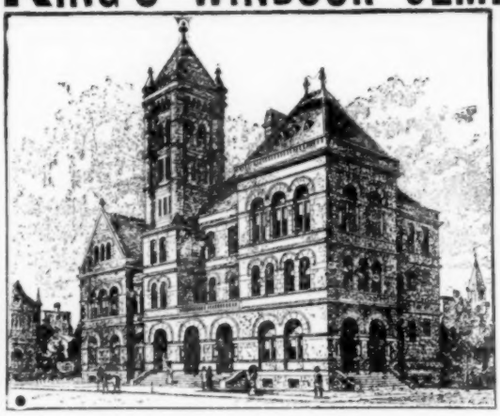

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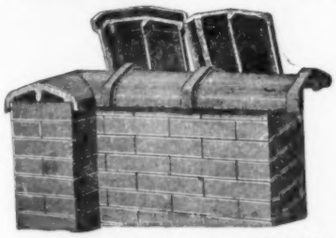

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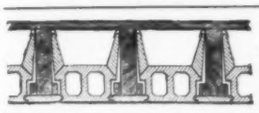

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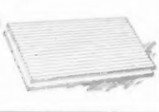

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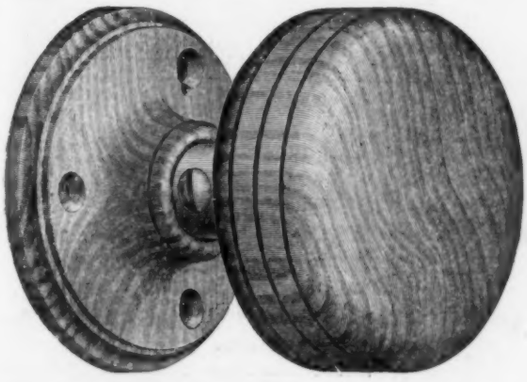

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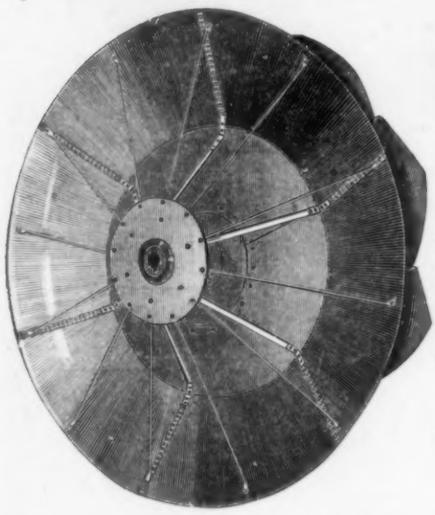

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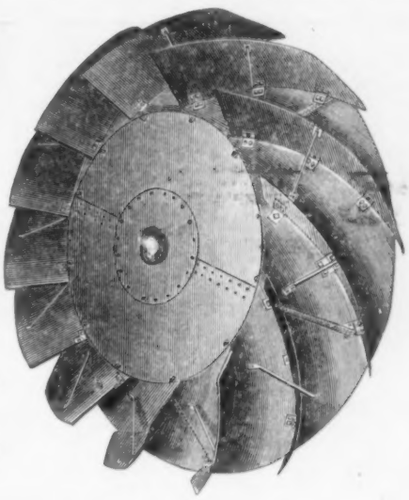

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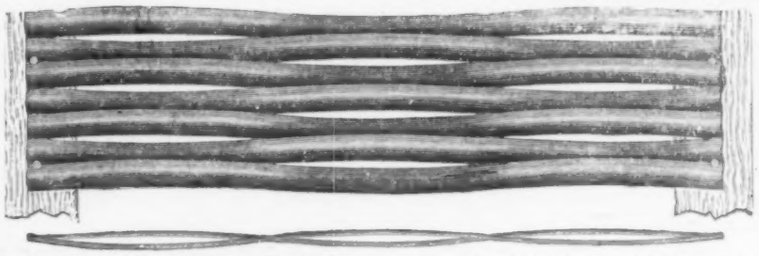

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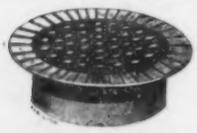

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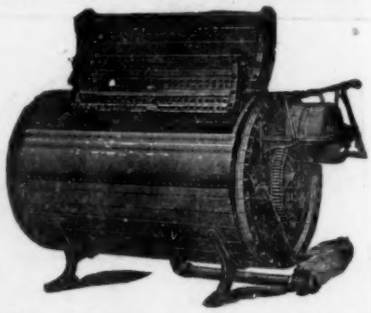

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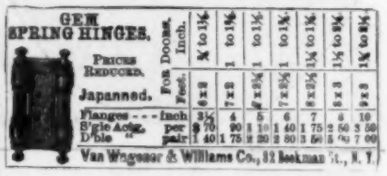

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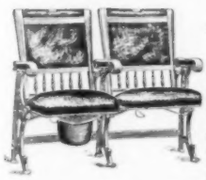

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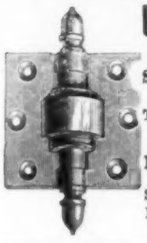

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[*NOTE.*—To the best of our belief the experts named in this list are in position to give unbiased advice.]

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BUILDING MATERIALS.

	New York. (*Wholesale Prices.*)	Boston. (*Wholesale Prices.*)	Chicago. (*Price to Builders and Contractors.*)	Philadelphia. (*Price to Builders and Contractors.*)
LUMBER.—₱ M.				
Boards: (*Ordinary dimensions.*)				
Pine, 1st quality, clear	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 40 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 30	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 50 @ 20 00	*Not sold.*	16 00 @ 16 00
Hemlock	12 00 @ 16 00	14 00 @ 16 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 25 @ 2 30	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ M	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40
Cedar, split ₱ M	@	@	*Not sold.*	24" 8 @ 21
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	20" 35 @ 14
Cypress. Split....7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Commo	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	4 0 @ 1 25
Chestnut "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. (*First Qual.*				
Ash [*Kiln dried.*]	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 60 00		
Mahogany, Baywood [Mexican]	@180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 80 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	87 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ₱ lb	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 17 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	50 @ 45 00

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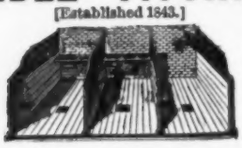

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WIRE LATH
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STANLEY CORRUGAT'D
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BUILDING MATERIALS.

Reported for the American Architect and Building News.

	New York. (Wholesale Prices.)	Boston. Prices to Builders and Contractors.)	Chicago.	Philadelphia. In Yard.
BRICK.—₱ M.				
Common: Cargo afloat.				
Pale	2 75 @ 3 25	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 9 00
Jersey	4 75 @ 5 75			" @ 7 00
Long Island	5 50 @ 5 75	Bay State Hard 9 00 @ 10 00		Salmon @ 5 00
Up River	5 25 @ 6 00			Sq. " @ 00
Haverstraw Bay 2nd	5 75 @ 6 25	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Light Stretchers @ 10 00
" 1st	6 25 @ 6 50	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Medium " @ 12 00
Hollow	@ 13 00	Philadelphia 40 00 @ 45 00		Red " @ 13 00
Fronts		Phila. mould 50 00 @ 60 00		Dark " @ 13 00
Croton, Brown	@ 13 00		15 00 @ 27 00	Pressed 18 00 @ 20 00
" dark	@ 14 00	Anderson 14 00 @ 32 00	65 00 @ 350 00	Best Paving @ 14 00
" red	@ 14 00		45 00 @ 55 00	Second " @ 13 00
Chicago pressed (Anderson)			45 00 @ 50 00	Third " @ 12 00
Chicago Moulded			25 00 @	
Baltimore	37 00 @ 41 00		60 00 @ 100 00	
Philadelphia	23 00 @ 24 00		30 @	
Trenton	22 00 @ 23 00		35 @	
Milwaukee			55 00 @ 65 00	
Moulded:				
Glens Falls Red Pressed	@ 37 00			Dom. @ 65
" " Buff "	@ 30 00		@ 100 00	@ 85
" " Moulded Red & Buff	45 00 @ 70 00		@ 120 00	
Enamelled: Imp.				
Enamelled (edge.)	85 00 @ 100 00			
Enamelled (edge and end)	90 00 @ 115 00			
CEMENT, LIME, etc.—(₱ cask.)				
Rosendale Cement	1 10 @ 1 25	1 20 @ 1 40	*Not sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co	1 05 @ 1 30	B S & Co 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 22	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Jonson
" " (Lagerdofer)		2 55 @ 3 0	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not Sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45	2 15 ₱ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	@ 11 50	9 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime
Hydraulic Lime	@ 1 45	@ 1 35		25 @ 30 ₱ bush
Chicago Lime in bulk		St. ohn 1 00	55 @	White Mash
Wisconsin "			60 @	1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 90	@ 1 05	*Not sold.*	1 00 @ 1 00
Rockland and Rockport, finish	@ 1 10	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing "	@ 1 05	*Not sold.*	*Not sold.*	*Not sold*
Plaster of Paris (calcined.)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ bush	16 @ 18	25 @ 30	20 @ 25	20 @ 25
" (Goat)	20 @ 22	@ 30	30 @ 35	30 @ 35
Sand, ₱ load	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
STONE. (₱ cubic foot, rough.)				
Granite: (Maine)	@ 60	@ 60		55 @ 65
Limestone:				
Bedford	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Joliet	@ 1 00		35 @ 55	Richmond
Lemont			35 @ 60	75 @ 1 50
Serpentine		10 50 per ton	@ 1 00	4 50 ₱ Perch

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BUILDING MATERIALS.

	New York. (*Wholesale Prices.*)	Boston. (*Prices to Builders and Contractors.*)	Chicago.	Philadelphia.
Mortar Colors.				
Black, brown, buff ℔ lb.	@ 2½			
Colorific ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	℔ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (℔ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	75	50 @ 1 00	37 @ 50
Sandstone,				
Longmeadow	@ 80	80 @ 90		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst	90 @ 95	90 @ 1 00	45 @ 50	
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle, English	@ 1 05	@ 1 05		95 @ 1
Corse Hill (Scotch)	1 05	1 05		
Marble (℔ *cu. ft.*)				
Lee, Mass.	@	1 75 @ 2 50	*Not sold.*	2 00 @ 2 50
Rutland, white and Blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	350 @ 6 00	1 70 @ 3 00
Glens Falls, black	@		*Not sold.*	4 00 @ 4 50
Italian, blue-veined	@		@ 4 40	2 50 @ 2 75
" Sienna	@		*Not sold.*	@ 5 00
Tennessee, red	@		@ 4 40	4 00 @ 6 00
" Knoxville	@		@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@		*Not sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate: Roofing (℔ *squares*)				
" green	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" purple	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" red	10 00 @ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 8 85	3 25 @ 4 00
" " Chapmans	— —	@	7 30 @ 8 00	4 00 @ 4 65
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 · 0	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am. ℔ M	@	@	*Not sold.*	@ 25 00
N. Peach Bottom, warranted unfading	@	@	@	6 00 @ 6 75
PAINTS. (*In oil,* ℔ lb.)				
White lead, Am	7 @ 7½	7½ @ 7½	6½ @ 7	@ 7½
" Zinc, "	5 @ 8½	7 @ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	7½ @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermilion	65 @ 70	75 @ 80 dry	65 @ 68	Eng. @ 76
Red Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris,	25 @ 40	18 @ 40	18 @ 35	" 15 @ 20
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	52 @ 58	51 @ 52	57 @ 60	@ 60
" " boiled	54 @ 62	54 @ 55	60 @ 63	@ 64
Turpentine	39 @ 40	42 @ 43	51 @ 51	@ 44
Varnish, coach		1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac		2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	2 @ 4	2 @ 4	92 @ 02½	2 @ 2½
Whiting (℔ dry)	75 @ 1 00	1 @ 1½	1 @ 1½	½ @ 1
Paris white, (Eng.,)	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am	5½ @ 6	13 @ 20	6½ @ 7	4 @ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber, "	14 @ 20		2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) **Spikes,** (*wrought.*)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 50	@ 3 65	3 60 @ 4 75
Finishing nails according to size.			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4"x 4" (℔ doz. pairs.)				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish (℔ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (for cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (℔ *Set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
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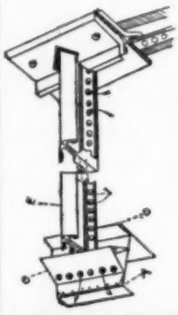

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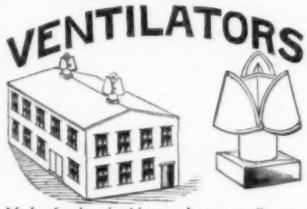

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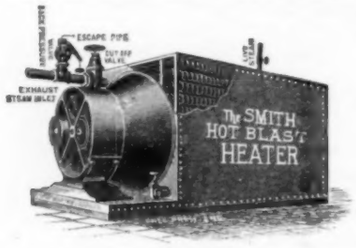

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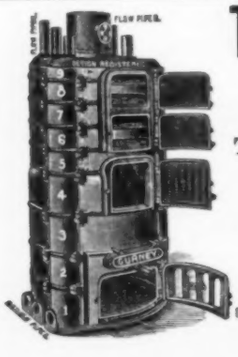

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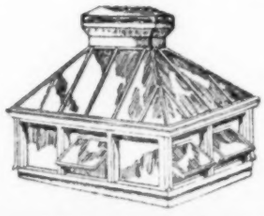

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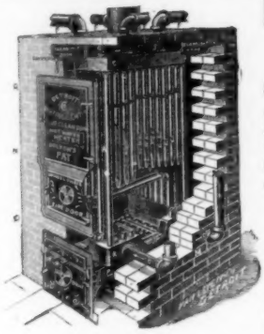

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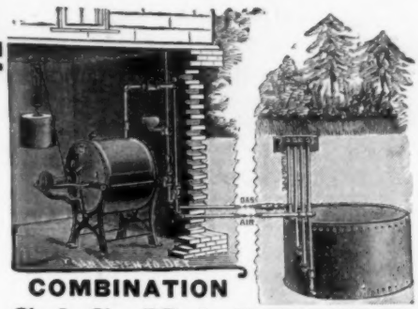

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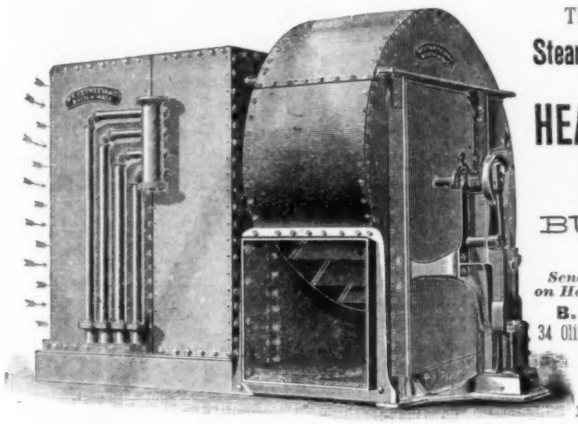

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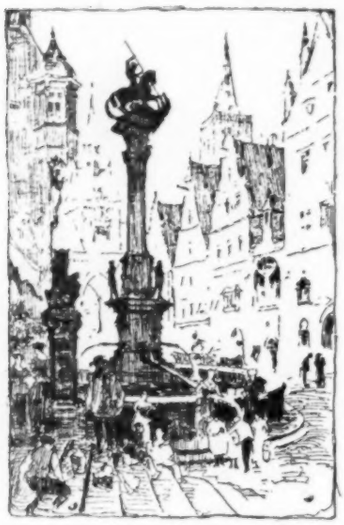

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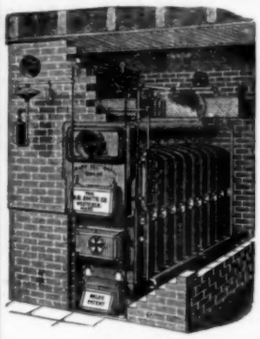

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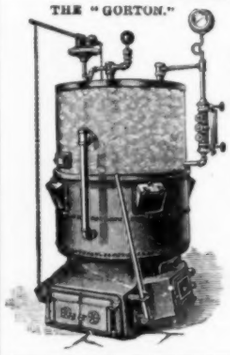

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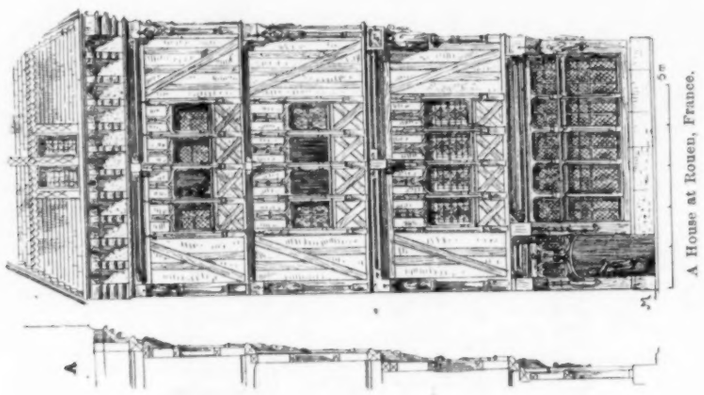
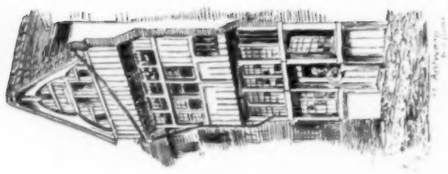
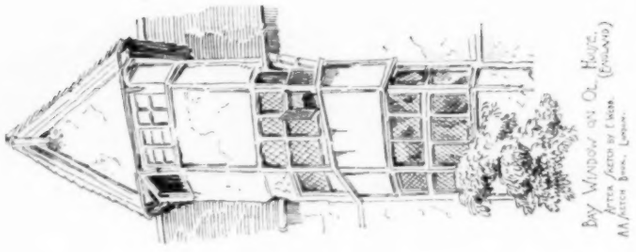
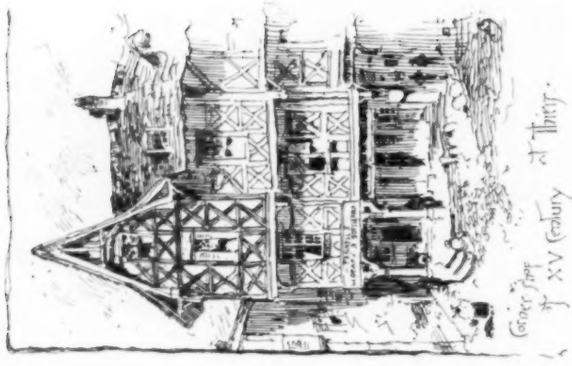
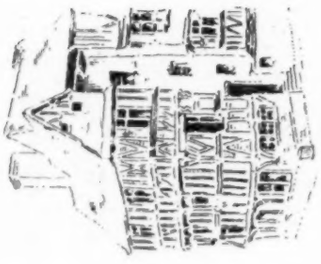


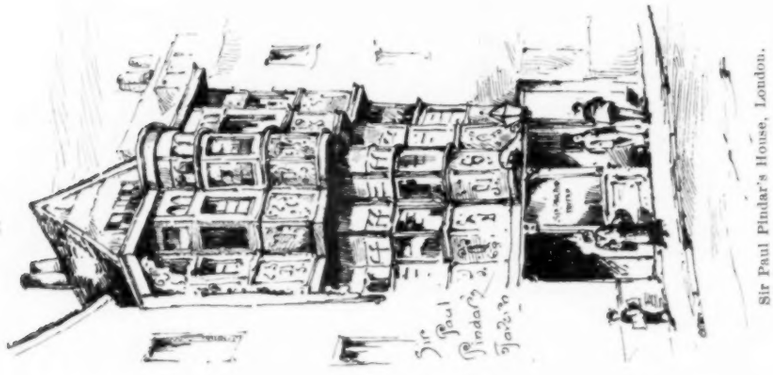
A House at Rouen, France.











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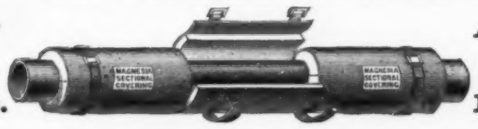

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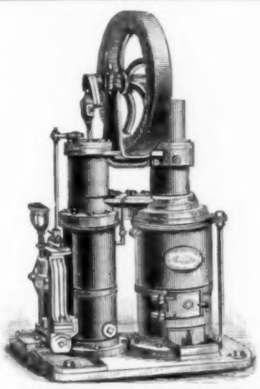

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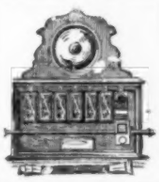

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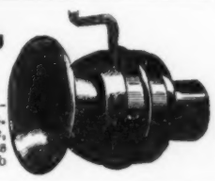

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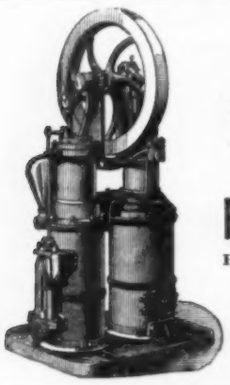

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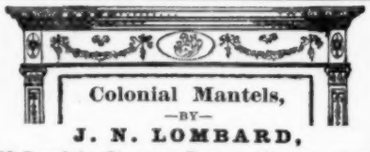

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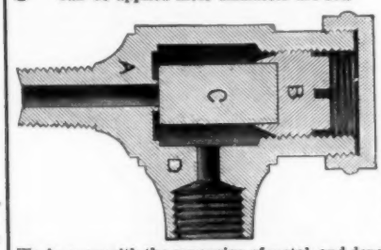

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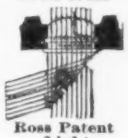

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J. & R. LAMB (New York, N. Y.), Stained Glass. Page xvii.
OTIS BROS. & CO. (New York, N. Y.), Elevators. Page i.
HILL BEVEL CO. (Manchester, Conn.), Bevel. Page xxvi.

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442,962. LATCH AND LOCK COMBINED. — Francis Keil, New York, N. Y.

442,989. DOOR-CHECK. — Thomas D. Morris, Seward, Neb.

443,048. METHOD OF PROTECTING BUILDINGS FROM LIGHTNING. — Nathaniel D. C. Hodges, Plainfield, N. J.

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443,092. WINDOW-SCREEN. — Chester K. Hann, Columbus, Ohio.

443,104. WATER-HEATER. — John D. Monat, Detroit, Mich.

443,170. SEAT-PAD FOR WATER-CLOSETS. — Joel Tiffany, Hinsdale, Ill.

443,198. PIPE-HANGER. — Enoch Rutzler, New York, N. Y.

443,203. HOUSE. — James I. Comly, Philadelphia, Pa.

443,216. WRENCH.— Frederick J. Bell and Joseph S. Urban, Terra Haute, Ind.

443,218. COMBINATION-LOCK. — David R. Breed, Chicago, Ill.

443,223. DOOR-KNOB. — John E. Gaitley, Troy, N. Y.

443,239-240. FIREPLACE. — Molesworth King, Chicago, Ill.

443,250. ARTIFICIAL STONE. — Georg Buchner, Munich, Germany.

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From Amsterdam. — Steamer "*Werkendam,*" 800 casks cement, E. Thiele; 750 casks cement, Charles H. Spencer.

From Antwerp.—Steamer "*Noordland,*" 500 barrels cement, E. Thiele; 116 do., order. Steamer "*De Ruyter,*" 1,500 barrels cement, Canadian Bank of Commerce.

From Cienfuegos.—Steamer "*Cienfuegos,*" 69 pieces mahogany, Jose A. del Valle.

From Copenhagen. — Steamer "*Island,*" 2 blocks granite, G. Pedersen.

From Genoa. — Ship "*Senta,*" 1,829 slabs and table of marble, Taber & Co.; 1,092 slabs marble, 108 blocks do., order.

From Glasgow. — Steamer "*Circassia,*" 78 cases granite, W. C. Townsend.

From Hamburg.—Bark "*Chas. Luling,*" 3,500 loaves asphalt mastic, Baetjer & Meyerstein; 1,100 barrels cement, order.

From Hull.—Steamer "*Martello,*" 30 bales cow-hair, New York Produce Exchange Bank; 109 casks bricks, Meeker & Carter.

From Liverpool.—Steamer "*Germanic,*" 3,031 pieces hard wood, 4 logs do., order.

From London. — Steamer "*Greece,*" 600 casks cement, E. Thiele; 1,000 casks cement, German Bank of London; 32 logs hard wood, Willard, Hawes & Co. Steamer "*Douro,*" 600 casks cement, Marcial & Co.; 39 bales cow-hair, 15 kegs cement, 25 planks, 5 logs oak, 400 paving-tiles, order.

From Manzanilla. — Schooner "*Lizzie B. Willey,*" 195,388,000 feet cedar, H. W. Ehrichs.

From Newcastle. — Steamer "*Salermo,*" 25,000 square fire-bricks, Hammill & Gillespie; 10,000 fire-bricks, Charles R. Weeks & Bro.; 56 casks glazed bricks, Charles R. Weeks & Bro.; 36 blocks stone, C. F. Woodward.

From Rotterdam. — Steamer "*Spaarndam,*" 1,000 casks cement, E. Thiele; 1,500 casks cement, J. Campbell & Co.

From Stettin. — Ship "*N. B. Palmer,*" 1,700 barrels cement, order. Steamer "*Italia,*" 1,500 barrels cement, order.

From St. Jago. — Steamer "*Cienfuegos,*" 16 log, mahogany, G. Amsinck & Co.; 56 do., Willards Hawes & Co.; 18 do., Ichabod & Williams; 6 do., F. G. Pierra & Co.

From Vera Cruz. — Steamer "*Orizaba,*" 23 blocks marble, Nake, Brinkmann & Co.

From Windsor, N. S. — Bark "*Athena,*" 1,150 tons plaster, J. B. King.

From Zaza. — Bark "*Miranda,*" 1,706 pieces cedar, H. W. Ehrichs.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

ALTERATIONS.

Brooklyn, N. Y. — *Waverly Ave.*, s w cor. Myrtle Ave., two-and-one-half-st'y brick dwell., tin roof; to be raised to four stories, two-st'y brick extension, and other alterations; cost, $3,000; owner, John Englis, 196 Clinton Ave.; architect, Geo. M. Walgrove, 139 Fulton St.

Bushwick Pl., s s, 75′ e Meserole St., three-st'y brick wash-house, tin roof; two-st'y brick extension, and other alterations made; cost, $3,500; owner, Otto Haber, Meserole St., near Bushwick Ave.; architects, Chas. Stoll & Son, 314 Driggs St.

Chicago, Ill.—O. W. William, addition, 533 Sixtieth St.; cost, $1,800.

George A. Fuller Co., alterations, 115 Dearborn St.; cost, $4,000.

F. Glindele, two-st'y addition, 304 Centre St.; cost, $2,000.

H. T. Bairch, two-st'y addition, 1920 Michigan Ave. cost, $70,000.

Aubon Stelzer, two-st'y addition, 509 Twenty-eighth St.; cost, $2,500.

(*Continued on page* xix.)

TRINITY CHURCH,
WATERTOWN, N. Y.

W. P. WENTWORTH, BOSTON,
Architect.

This Church, the gift of Hon. Roswell P. and Anson R. Flower, to the Diocese of Central New York, is admitted to be one of the finest churches erected during the past year.

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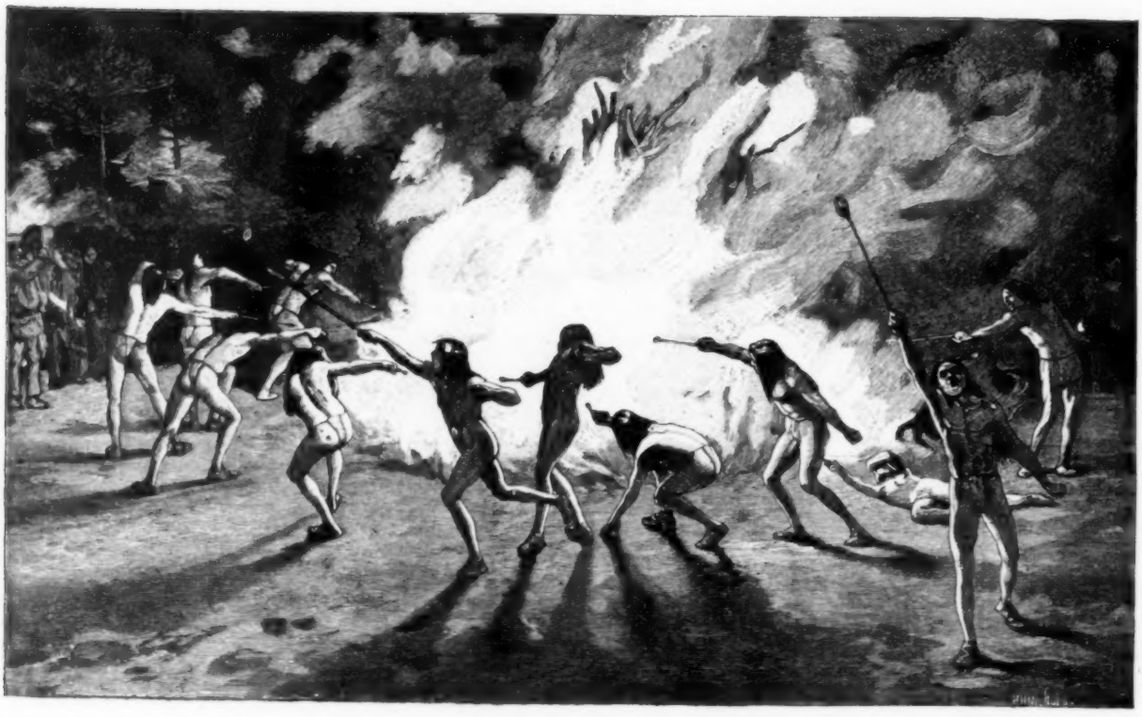

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BUILDING INTELLIGENCE.

Germantown, Pa. — Plans for an addition and interior and exterior alterations to the Jewish Foster Home on Mill St. have been made by Willis G. Hale, architect; cost, about $60,000; contractors, J. E. & A. L. Pennock.

New York, N. Y. — *West Fifteenth St., No.* 52, five-st'y brick store, internal alterations; cost, $3,000; owner, Hauchen Jarvos, 37 East Sixty-second St.; builders, Outwater & Felter, 428 West Twenty-fifth St.

East Fifteenth St., No. 101, three-st'y brick office-building, extension, etc.; cost, $12,000; owners, Lager Beer Brewers Board of Trade; architects, Weber & Drosser, 81 and 82 Bible House.

Philadelphia, Pa. — *Erie Ave.*, n s, e Frankford Ave., three-st'y addition to cordage works; cost, bet. $8,000 and $9,000; contractors, Ploucher & Schock.

Woodland Ave. and Mud Lane, addition to school-house; builder, John Welsh, 7000 Woodland Ave.

Hancock St., n e cor. Girard Ave., two-st'y addition; builders, Stewart Bros., 2327 North Fifth St.

Frankford Ave., No. 1601, a new front to store; builder, D. C. Cleaver.

North Front St., No. 1764, new front to store; builder, E. S. Cox, 2602 Montgomery Ave.

Eighteenth St., n Arch St., will alter stable to dwell.; builder, Robert W. Strode, 2131 Vine St.

Ellsworth St., cor. Twenty-second St., two-st'y brick addition and other alterations to dwell.; builder, C. M. Wilson, 1924 Market St.

Germantown Ave., No. 2747, three-st'y addition to store-house; owner, Thomas Batley, 909 Lehigh Ave.

Rochester, N. Y. — *East Main St.*, first-st'y extension, stone and frame dwell., Colonial design; cost, $8,000; architect, Orlando K. Foote.

St. Louis, Mo. — Alterations to brick brewery; cost, $2,500; owner, Louis Obert; contractors, Hansen & Weber.

Addition to one-st'y brick school; cost, $4,950; owner, Public School Board; contractors, Thomsen & Valleroy.

APARTMENT-HOUSES.

Brooklyn, N. Y. — *St. Felix St.*, w s, 100′ n Fulton St., four-st'y brick flat, tin roof; cost, $14,000; owner, Chas. A. Cheseborough, Northfield, L. I.; architect, W. J. Conway, 709 Union St.

Eleventh St., s s, 230′ 5″ w Eighth Ave., 3 four-st'y brick flats, tin roofs; cost, $6,000 each; owner, Thomas Smith, 300 Eleventh St.; architect, R. Dixon, 219 Montague St.

Bedford Ave., w s, 50′ s Penn St., five-st'y brick flat, tin roof; cost, $10,000; owner, Marie Birmingham, 311 East Fifty-fifth St.; architects, J. D. Reynolds & Son, 363 Fulton St.

Chicago, Ill. — H. P. Askin, two-st'y flats, 481 Forty-second St.; cost, $2,800.

A. B. Logan, two-st'y flats, 413 Cedar St.; cost, $2,200.

Theodore Loderman, three-st'y flats, 537 Larrabee St.; cost, $8,000.

John A. Brown, four-st'y flats, 3125-3131 Griswold St.; cost, $20,000.

A. Boyston, two-st'y flats, 2133-2135 West Polk St.; cost, $3,000.

R. Hein, two-st'y flats, Dearborn St., near Fifty-fifth St.; cost, $2,000.

Miller & Chamberlain, four-st'y flats, 4255 Berkeley Ave.; cost, $15,000.

Miller & Chamberlain, four-st'y flats, 4228 Greenwood Ave.; cost, $15,000.

John R. Towle, 6 four-st'y flats, 390-400 Sixty-third St.; cost, $50,000.

M. O. Tremaine, 2 two-st'y flats, 1229-1231 West Adams St.; cost, $11,000.

Brown & Co., two-st'y flats, 140 Ayers Ave.; cost, $2,200.

Hermon Till, two-st'y flats, 42 Ayers Ave.; cost, $4,500.

Mrs. Anna Parton, three-st'y flats, 622 West Twenty-first St.; cost, $6,000.

George F. Sears, two-st'y flats, 77 Walnut St.; cost, $2,700.

W. A. Whipple, two-st'y flats, 4509 Wabash Ave.; cost, $6,300.

James Stafford, two-st'y flats, 1215 Seminary Ave.; cost, $4,500.

Charles Neitgen, three-st'y flats, 1344 Lexington Ave.; cost, $7,000.

M. L. Termann, 2 three-st'y flats, 779 West Polk St.; cost, $12,000.

Anton M. Hammer, three-st'y flats, 478 West Huron St.; cost, $4,000.

John F. Carisen, two-st'y flats, Fifty-ninth St., near Morgan St.; cost, $2,300.

Mrs. M. Gage, three-st'y flats, 1079 Warren Ave.; cost, $10,000.

C. Luttir, three-st'y flats, 277 Dayton St.; cost, $3,000.

Joe Mix, three-st'y flats, 26 Churchill St.; cost, $4,500.

Emma Dreesbach, three-st'y flats, 631 Fullerton Ave.; cost, $6,000.

Charles Steinbrecher, 16 two-st'y flats, 1012-1054 West Superior St.; cost, $65,000.

BUILDING INTELLIGENCE.

Elizabeth Fahy, four-st'y flats, 3509 Wabash Ave.; cost, $9,000.

John S. Erickson, three-st'y flats, 233 Blucher St.; cost, $6,000.

R. E. Schmidt, two-st'y flats, 3335 Ford Ave.; cost, $3,500.

New York, N. Y. — *West Central Park*, 55.6′ n Eighty-third St., seven-st'y brick store and terra cotta apartment-house; owner, Edward Purcell; architects, Danmar & Fischer.

Alexander Ave., s e cor. One Hundred and Forty-first St., 5 five st'y brick flats; cost, $80,000; owner, John McLean; architect, A. Spence.

Sixty-fifth St., n s, 200′ w West Central Park, 2 five-st'y brick and stone flats; cost, $45,000; owner, James O'Brien; architect, George Keister.

Eighty-fourth St., s s, 100′ e Amsterdam Ave, 3 five-st'y flats; owner, R. J. McGuire; architects, Thom & Wilson.

One Hundred and Sixty-first St., s s, 200′ w Amsterdam Ave., three-st'y brick and stone front apartment-house; owner, George Glass; architect, George Keister.

Market St., s w cor. Henry St., six-st'y brick, stone and terra-cotta flat; cost, $40,000; owners, Fay & Stacom; architect, Charles Rentz.

One Hundred and First St., s s, 175′ w Manhattan Ave., five-st'y brick and brownstone flat; cost, $20,000; owner, Wm. M. Walsh; architect, R. R. Davis.

St. Louis, Mo. — Two-st'y brick flats; cost, $3,000; owner and contractor, D. H. Nelson.

Two-st'y brick flats; cost, $6,000; owner, Mrs. H. Le Page; contractor, F. S. La Barge.

CHURCHES.

Charlotte, N. C.—New church will be built for the Second Presbyterian Church; cost, about $30,000.

Philadelphia, Pa. — *Leverington St.*, n s, e Pechin St., brick and stone church.

Eighteenth St., s Tioga St., church; builder, Benj. Walker.

Pottstown, Pa.—The faculty of Lincoln University, brick and stone chapel and dwell.; cost, $27,000.

Springfield, Ky.—The Catholics will build a church, to cost about $17,000.

FACTORIES.

Boston, Mass.—*Condor St.*, opp. Brooks St., Ward 1, two-st'y frame factory, flat roof, 40′ x 80′, and storage, 20′ x 30′; owners, Boston & Lockport Co.; builders, Frame & McPherson.

Brooklyn, N. Y. — *Waterburg St.*, s w cor. Ten Eyck St., one-st'y brick factory, tar and gravel roof; cost, $3,000; owner, New York Bagging Co., Waterbury and Ten Eyck Sts.; architect, Clifton A. Hall, Providence, R. I.

Canton St., e s, 40′ n Auburn Pl., five-st'y brick cigar factory and stable, tin roof; cost, $5,000; owner, L. Arensberg, 143 Myrtle Ave.; architect, T. F. Houghton, 340 Fulton St.

Pacific St., n s, 325′ w Sixth Ave., three-st'y brick factory, tin roof; cost, $6,250; owner, Mrs. John Bene, 279 Fulton St.; architects, Parfitt Bros., 26 Court St.

Philadelphia, Pa.—*Ohio St.*, bet. Eleventh and Twelfth Sts., four-st'y rug and carpet factory, capacity 70 looms; owners, Robert Cleeland & Sons.

Amber St., w s, n Allegheny Ave., two-st'y brick factory; owner, Elizabeth Jones, 3215 Frankford Ave.

HOTELS.

Germantown, Md.—W. F. Weber, architect, is preparing plans for a hotel; cost, about $200,000.

HOUSES.

Baltimore, Md.— Mrs. Thomas H. Buckler, dwell., near Highland Park; cost, $70,000; architects, J. A. & W. T. Wilson; contractors, Wm. Ferguson & Bros.

George Bunnecke, 3 two-st'y brick buildings, s s Mulliken St., bet. Broadway and Ann St.

J. H. Medinger, 3 two-st'y brick buildings, w s Hall St., bet. Beason and Clement Sts.

Justus Miller, 2 three-st'y brick buildings, s s Chew St., bet. Bond St. and Broadway.

Rev. Dr. Jno. F. Goucher, three-st'y brick and stone building, e s St. Paul St., n Fourth St.

David Leonard, 4 two-st'y frame buildings, e s Irving Ave., near old Frederick Road.

Prof. W. Leslie Robinson, three-st'y brick building, e s Park Ave., n McMechin St.

Frank Hannibal, three-st'y brick building, w s Linden Ave., bet. Preston and Rose Sts.

Louis Schaeffer, 2 two-st'y brick buildings, s s Fort Ave., w Charles St.

Jas. B. Yeatman, 5 two-st'y brick buildings, n s Hollins St.; and 6 two-st'y brick buildings, s s Booth St., bet. Monroe and Payson Sts.

J. E. Cullimore, 8 two-st'y brick buildings, s s Dillon St., beg. s e cor. Curley St.; and 8 two-st'y brick buildings, s s Dillon St., beg. s w cor. Robinson St.

Boston, Mass. — *Rocky Hill Ave.*, near Davenport Sq., Ward 24, frame dwell., 27.5′ x 78′; owner, A. P. Wheelock.

BUILDING INTELLIGENCE.

Gay Head St., Nos. 4-6, Ward 22, two frame dwells., one 25′ x 25′ and one 24′ x 30′; owners, Workingmen's Building Association; builder, Geo. W. Pope.

Alexander Ave., near Oleander St., Ward 20, two frame dwells., 20′ x 34′; owner and builder, Andrew Crawford.

Westerly Terrace, No. 12, Ward 22, frame dwell., 22′ x 36.3′; owners, Workingmen's Building Association; builder, George W. Pope.

Danube St., near Dewey St., Ward 20, frame dwell., 25′ x 43′; owner, M. Herlihy; builder, M. McLaughlin.

Highland St., near Thwing St., Ward 21, three frame dwells., 27′ x 36′; owner and builder, J. S. D'Arcy.

Dromey St., near Brookford St., Ward 20, three frame dwells., 22′ x 40′; owner, Catharine Dromey; builder, W. W. Dromey.

Edson St., near Milton Ave., Ward 24, frame dwell., 25′ x 46′; owner and builder, R. W. McDowell.

Coving St., near Spinney St., Ward 23, frame dwell., 24′ x 45′; owner, E. B. Spinney; builder, W. S. Mitchell.

Unnamed St., from Bellevue Ave., near Linnett St., Ward 23, frame dwell., 30′ x 44′; owner, F. E. Alden; builder, W. S. Mitchell.

Minot St., near Sheridan St., Ward 23, frame dwell., 23′ x 49.6′; owner and builder, W. J. Hatch.

Burnett St., near Washington St., Ward 23, frame dwell., 20′ x 30′; owner and builder, James R. Bell.

Cohasset St., near Corinth St., Ward 23, frame dwell., 25′ x 29′; owner, A. T. Hersee; builders, Hersee Bros.

Jamaica St., No. 33, cor. Ballard Way, Ward 23, frame dwell., 20.6′ x 44′; owner, S. M. McCarthy; builder, J. F. Sullivan.

Mt. Vernon St., near Garfield Ave., Ward 23, frame dwell., hip roof, 30′ x 40′; owner, Washington Snelling; builder, W. S. Mitchell.

Brooklyn, N. Y. — *Clinton Ave.*, e s, 100′, Willoughby Ave., three-st'y brick dwell., tile roof; cost, $45,000; owner, Charles M. Pratt, 26 Broadway, New York City; architect, Wm. B. Tubby, 81 Fulton St., New York.

Macon St., s s, 25′ w Howard Ave., 4 two-st'y brick dwells., tin roofs; cost, $4,800 each; owner and architect, Clarence Lincoln, 988 Jefferson Ave.

Palmetto St., s s, 100′ w Knickerbocker Ave., 8 two-st'y frame dwells., tin roofs; cost, $2,500 each; owner, James Leonard, 61 Ralph Ave.; architect, Frank W. Ames, 1002 Halsey St.

Macon St., n s, 110′ e Lewis Ave., 4 two-and-one-half-st'y brick dwells., tin roofs; cost, $6,000 each; owner, G. H. Stevens, 542 Monroe St.; architect, J. S. Stevens, 537 Monroe St.

Chauncey St., n s, 100′ e Stuyvesant Ave., 6 two-st'y brick dwells., tin and gravel roofs; cost, $4,500; owners, Weldon & Sweet, 588 St. Mark's Ave.; architects, S. W. & C. J. Dodge, 325 Grand Ave.

Williams Ave., w s, 100′ n Liberty Ave., 8 two-st'y frame dwells., tin roofs; cost, $1,500 each; owner, S. A. Harding; architect, A. J. Warren, 2583 Atlantic Ave.

Throop Ave., w s, 25′ n Pulaski St., 4 two-and-one-half-st'y brick dwells., tin roofs; cost, $4,000 each; owner, G. B. Stoutenburg, 391 Jefferson Ave.; architect, F. L. Hine, Gates Ave.

Walton St., s s, w Throop Ave., four st'y frame dwell., tin roof; cost, $3,000; owner, E. W. Haaf, 162 William St., New York City; architect, Frank Holmberg, 1161 Broadway.

Auburn Pl., n s, 30′ e Canton St., five-st'y brick dwell., tin roof; cost, $7,000; owner, L. Arensberg, 143 Myrtle Ave.; architect, T. F. Houghton, 340 Fulton St.

Noll St., n s, 200′ w Hamburg Ave., 2 three-st'y frame dwells., tin roofs; cost, $4,000 each; owner, architect and builder, Leonard Erk, 134 Noll St.

Herkimer St., n s, 231′ e Nostrand Ave., 3 three-st'y brick dwells., tin and slate roofs; cost, $5,000 each; owners, C. A. & E. S. Betts, Nostrand and Fulton Sts.; architect, F. B. Langston, 1225 Bedford Ave.

Pacific St., n s, 280′ e Rochester Ave., 5 two-st'y frame dwells., tin roofs; cost, $1,600 each; owner, architect and builder, Frederick Dhuy, Jr., 1871 Pacific St.

Bainbridge St., n s, 157′ 6″ e Saratoga Ave., 10 two-st'y brick dwells., tin roofs; cost, $4,500 each; owner and architect, J. M. Kirby, Park Pl. and Frank in Ave.

Stockton St., n s, 125′ w Throop Ave., four-st'y frame dwell., tin roof; cost, $6,300; owner, George Waitkins, 129 Boerum St.; architect, Th. Engelhardt, 905 Broadway.

Van Buren St., No. 436, three-st'y brick dwell., tin roof; cost, $7,000; owner, Mrs. S. J. Hinchman, Newtown, L. I.; architects, Amzi Hill & Son, 1161 Fulton St.

Meeker Ave., s s, 94′ 6″ e Monitor St., three-st'y frame dwell., tin roof; cost, $4,000; owner, Mr. Dietz, Jefferson St.; architects, D. Acker & Son, 752 Broadway.

Greene Ave., s e cor. Irving Ave., 4 three-st'y frame dwells., tin roofs; total cost, $16,000; owners, Weidner & Co.; architects, D. Acker & Son, 752 Broadway.

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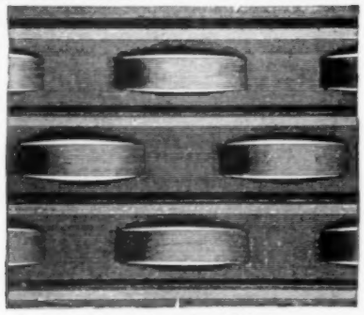
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BUILDING INTELLIGENCE.

Putnam Ave., s s, 149′ e Ralph Ave., 4 four-st'y brick dwells., tin roofs; cost, $6,000 each; owner, A. L. Beasley, 229 Van Buren St.; architect, F. J. Lessing, 952 Broadway.

Ashford St., w s, 300′ n Arlington Ave., two-st'y frame dwell., shingle roof; cost, $5,500; owners, Horace E. Stillman and wife, 1 Hart St.; architect, Stephen Newell, 1218 Bedford Ave.

Bushwick Ave., w s, 192′ 9″ s Flushing Ave., three-st'y frame dwell., tin roof; cost, $4,300; owner, Henry Roth, 154 Meserole St.; architect, Th. Engelhardt, 905 Broadway.

Macon St., s s, 302′ e Reid Ave., 3 two-st'y brick dwells., tin roofs; cost, $4,500 each; owner, C. H. Roberts, 243 Reid Ave.; architects, Amzi Hill & Son, 1161 Fulton St.

Detroit, Mich.—H. W. Holcomb, two-st'y double brick dwell., 1303-1305 Third Ave.; cost, $9,000.

John Scott & Co., architects, stone dwell. and barn, 31 Ferry St.; cost, $45,000.

A. C. Varney & Co., architects, brick dwell., 1503 Grand River Ave.; cost, $7,000.

Malcomson & Co., architects, two frame dwells., 351 and 415 Boulevard, west; cost, $5,000.

A. C. Varney & Co., double brick dwell., 73-75 Farnsworth St.; cost, $8,000; double brick dwell., 124-128 Joy St.; cost, $8,000; brick dwell., 109 Trumbull Ave.; cost, $5,000; frame dwell., 290 Hancock Ave.; cost, $3,000.

George E. Depew, frame dwell., 253 Lincoln Ave.; cost, $3,500.

W. S. Nicholson, nine frame dwells., 287-291 Canfield Ave., w, 92, 94 and 98 Brigham St., and 753, 755 and 759 Sixth St; cost, $15,000.

Y. E. Boomer, two-st'y double brick dwell., 147-149 Clifford St.; cost, $4,500.

H. W. Holcomb, two-st'y brick dwell., 761 Cass Ave.; cost, $10,000.

Dietrich Bros., three-st'y double brick dwell., 63-65 Sprout St.; cost, $7,000.

R. M. Secord, three frame dwells., 36, 40 and 44 Milwaukee Ave.; cost, $4,500.

W. H. Allison, brick dwell., 756 Cass Ave.; cost, $6,000.

Fairbairn & Cogger, brick dwell. and store, 676 Beauvine St.; cost, $13,000.

R. M. Baham, 11 frame dwells., 318, 322, 326, 330, 332, 836, 340, 344, 346, 350 and 354 Farnsworth St.; cost, $29,700.

E. A. Walsh, brick dwell., 216 Ferry Ave.; cost, $8,500.

Frankford, Pa.—*Orthodox St.*, s s, e Jefferson St., two-st'y brick dwell.; builder, W. W. Worrell, 166 Gillingham St.

New York, N. Y.—*One Hundred and Thirty-ninth St.*, s s, 41′ 6″ e Eighth Ave., 3 three-st'y brick dwells., tin roofs; cost, $8,000; owner, D. H. Ring, Jr., 35 Wall St.; architect, Price & Luce, 150 Fifth Ave., and 181 Broadway.

Seventy-seventh St., s s, 325′ w Eighth Ave., four-st'y brick dwell., tin roof; cost, $45,000; owner, Mrs. Hannah Lavanburg, 42 West Seventy-second St.; architect, John H. Duncan, 237 Broadway.

Ninety-fifth St., n s, 150′ e Tenth Ave., 11 three-st'y brick dwells., tin roofs; cost, $165,000; owner, Lottie H. Baird, 156 West One Hundred and Thirtieth St.; architects, Geo. E. Harding & Gooch.

One Hundred and Forty-fourth St., s s, 125′ w Willis Ave., three-st'y brick dwell., tin roofs; cost, $5,000; owner, Hans O. Kasmusser, 560 East One Hundred and Forty-third St.; architect, M. L. Dale, 641 Walton Ave.

Seventy-sixth St., n s, 100′ w Central Park, west, semi-detached four-st'y dwell.; owner, Wm. T. Evans.

Philadelphia, Pa.—*Tiblin St.*, e s, n Fleason St., 2 three-st'y dwells.; contractor, Jacob H. Coffman, 327 Fleason St.

Woodbine Ave., s w cor. Sprague Ave., three-st'y brick dwell. and store; owners, O'Brien Bros., cor. Chew St. and Woodbine Ave.

Front St., w s, n York St., three-st'y brick dwell. and store; builders, William Steele & Son, 506 Walnut St.

Fortieth St., e s, n Filbert St., three-st'y brick dwell. and store; owner, Daniel Kirkman, 4041 Filbert St.

Forty-eighth St., w s, w Paschall Ave., 5 two-st'y brick dwells.; builder, Isaac Wood, 4901 Saybrook Ave.

Sixty-third and one-half St., w s, s Haverford St., 2 two-st'y brick dwells.; owner, Charles R. Buckwalter, 6321 Race St.

Alder St., (Bustleton) *No.* 1218, two-st'y dwell.; contractor, F. B. Ostrander, 1112 Jefferson St.

Carlisle St., (Bustleton) e s, n Tioga St., 22 two-st'y brick dwells.; owner, I. M. Bleyler, 1328 Olive St.

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Hoff St., (Bustleton) s w s, two-st'y brick and stone dwell., mansard roof; builder, Robert Newman.

Glenloch Ave., (Tacony) n s, w Unruh St., 4 two-st'y brick dwells.; owner, P. E. Costello, Tacony, Pa.

Ditman St., (Tacony) n s, w Unruh St., 2 two-st'y brick dwells.; owner, P. E. Costello, Tacony, Pa.

Solly St., e s Fox Chase, two-st'y brick dwell.; owner, W. S. Gayde, Cheltenham, Montgomery Co., Pa.

Thirty-first St., cor. Willow Grove Ave., three-st'y brick dwell.; contractors, Wm. Steele & Son, 506 Walnut St.

Woodbine Ave., s w cor. Sprague Ave., 6 two-st'y brick dwells.; owners, O'Brien Bros., Chew St. and Woodbine Ave.

Second St., e s, n Clarkson St., three-st'y brick dwell.; owner, L. Altemus, Olney, Pa.

Dilmore St., e s, n Snyder Ave., 2 two-st'y brick dwells.; contractor, E. Cubberly 811 Wharton St.

Larch St., e s, n Wallace St., three-st'y brick dwell.; builder, Samuel S. Zelley, 1212 North Eighth St.

Wright St., No. 2113, two-st'y brick dwell.; builder, Jno. A. Potts, 1612 North Twenty-first St.

Isabella St., e Kensington Ave., 7 two-st'y brick dwells.; *Helen St.*, w s, s Silver St., 12 two-st'y brick dwells.; *Jasper St.*, s Silver St., 10 two-st'y brick dwells.; owner, J. G. Torphey, 2406 North Sixth St.

Broad St., e s, n Oxford St., three-st'y brick dwell.; owner, Cheney Kilburn, 1305 North Nineteenth St.

Thirty-eighth St., e s, n Aspen St., 3 three-st'y brick dwells.; owner, Albert E. Despuget, 3949 Brown St.

Florence Ave., s s, e Fifty-first St., 2 two-st'y brick dwells.; builders, A. J. Mosby & Son, 5018 Florence Ave.

Forty-third and one-half St., e and w s, n Ogden St., 14 two-st'y brick dwells.; owner, J. R. Jordan, 1626 South Broad St.

Forty-third St., s e Westminster Ave., 18 two-st'y dwells.; owner, J. R. Jordan, 1626 South Broad St.

Forty-eighth St., n s, w Paschall Ave., 5 two-st'y brick dwells.; builder, Isaac Wood, 4904 Saybrook St.

Sixty-third and one-half St., n s, s Haverford Ave., 2 two-st'y brick dwells.; builder, Charles R. Buckwalter, 6321 Race St.

Jefferson St., s w cor. Shalkop St., two-st'y brick dwell.; contractor, Sylvester Yardley, 527 East Jefferson St.

Leithgow St., No. 928, three-st'y brick dwell.; owner, L. Sewale, 940 North Sixth St.

Hope St., n s, s Montgomery Ave., 5 two-st'y brick dwells.; owner, H. Hoffman, 1520 North Eighth St.

Cottage St., e s, s Vankirk St., two-st'y brick dwell.; owner, A. L. Lambert, 1864 Frankford Ave.

Cambria St., s s, w Marshall St., 3 two-st'y brick dwells.; builders, Woeful & Schmunk, 614 Cambria St.

Marshall St., w s, s Cambria St., 4 two-st'y brick dwells.; builders, Woeful & Schmunk, 614 Cambria St.

Wendower St., s s, bet. Manayunk Ave. and Terrace St., 5 three-st'y brick dwells.; owner, Neil McIlvaine, 170 Mechanic Lt.

Silver St., n and s s, e Kensington Ave., 14 two-st'y brick dwells.; owner, J. G. Torphey, 2406 North Sixth St.

Comby St., s w s, bet. Hagerman St. and Torresdale Ave., 2 two-st'y frame dwells.; contractor, Wm. C. Hollis, Wissinoming, Pa.

Twelfth St., w s, n Tasker St., 4 three-st'y brick dwells.; owner, Michael Whelan, 1225 Snyder Ave.

Pallas St., e s, n Tasker St., 4 two-st'y brick dwells.; owner, Michael Whelan, 1225 Snyder Ave.

Nineteenth St., w s, s Moore St., 3 two-st'y brick dwells.; owner, James Quinn, 1638 South Nineteenth St.

Nineteenth St., w s, above Morris St., two-st'y brick dwell.; builder, Charles Booth, 2052 Taylor St.

Mercy St., n s, w Frout St., 28 two-st'y brick and stone dwells.; owner and builder, J. J. Cassidy, Moyamensing Ave. cor. McKean St.

Twentieth St., e s, s Pierce St., 3 two-st'y brick dwells.; owner, C. B. Prettyman, 1252 South Twentieth St.

Newkirk St., n e s, n Cumberland St., two-st'y brick dwell.; owner, James McCouch, cor. Emery and Edgemont Sts.

Pottstown, Pa. — The Lutheran Church of the Transfiguration, brick parsonage, Queen Anne style; cost, $5,000; pastor, Rev. O. P. Smith.

Rochester, N. Y.—*East Main St.*, two-st'y frame and stone dwell.; cost, $9,000; owner, G. W. Crouch; architect, Otis & Crandell.

Somerville, Mass. — *Hudson St.*, near Central St., frame dwell., 25′ x 28′, with L, 12′ x 12′; owner, Mary E. Rooney; builder, James E. Paul.

Albion St., frame dwell., 20′ x 27′, with L, 9′ x 12′; owner and builder, Prentice Sargent.

Oliver St., frame dwell., 24 x 40′; owner, Miah Kenney; builder, Ernest W. Pitman.

Heath St., No. 120, frame dwell., 22′ x 27′, with L, 3.6′ x 13.6′; owner and builder, Wm. H. Savary.

Sewall St., frame dwell., 22′ x 30′, with L, 13′ x 17′; owner, Reuben Willis; builder, John K. Ricker.

Dartmouth St., near Broadway, frame dwell., 31′ x 43′; owner, Charles F. Simes; builder, Llewellyn W. Hutchinson.

Hancock St., frame dwell., 28′ x 30′; owners and builders, Hodges Bros.

Ames St., frame dwell., 28′ x 30′, with L, 14′ x 16′; owners and builders, S. & C. H. Williams.

Lowell St., bet Somerville Ave. and Summer St., two frame dwells.; one 20′ x 28′, with L, 4′ x 14′ and L, 17′ x 18′; the other 21′ x 28′, with projections 5′ x 21′ and 8′ x 14′; owner, Solomon S. Higgins; builder, Robert H. Colliupy.

Joseph St., two frame dwells., each 20′ x 32′; owner and builder, James W. Connor.

Albion St., frame dwell., 25′ x 28′, with L, 8′ x 14′; owner, Charles H. Ramsdell; builders, S. & C. H. Williams.

Moreland St., frame dwell.; owner and builder, W. W. Coffin.

Bartlett St., Ward 3, frame dwell., 24′ x 28′, with L, 3′ x 18.6′; owner, H. W. P. Colson; builder, John W. Prevost.

Mountain Ave., frame dwell., 22′ x 24′; owner, Mr. Osborne; builder, W. P. Rice.

St. Louis, Mo.—Two-st'y brick dwell. and store; cost, $19,000; owner, P. Nolan; contractor, M. Connolly.

7 two-st'y brick dwells.; cost, $3,000 each; owner, D. B. Brennan; contractor, M. Connolly.

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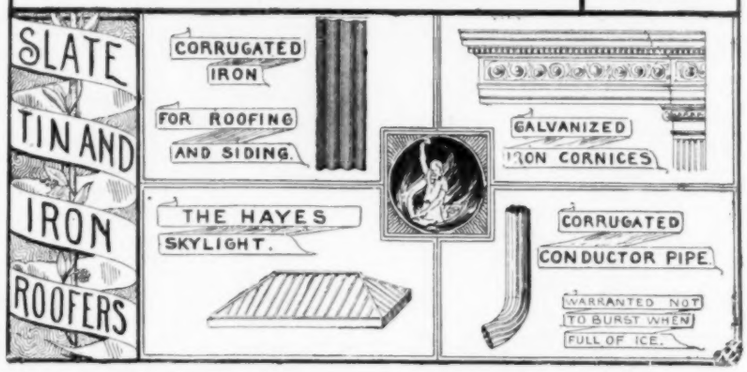

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Three-st'y frame dwell.; cost, $3,000; owners and contractors, Newberry & Valentine.
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Two-st'y brick dwell.; cost, $3,000; owner and contractor, Thos. Ayrley
Two-st'y brick dwell. and store; cost, $3,500; owner, Geo. Maschek; contractor, M. Wipfler.
Two-st'y brick dwell.; cost, $3,500; owner, Leo. Lager; contractor, H. W. Mepham.
2 two-st'y brick dwells.; cost, $4,000 each; owner and contractor, H. W. Mepham.
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Two-st'y brick dwell.; cost, $3,000; owner and contractor, T. F. Marley.
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Two-st'y brick dwell.; cost, $12,000; owner, A. C. Stanley; contractor, H. W. Clements.
Two-st'y brick dwell; cost, $3,600; owner, W. Wickenden; contractor, Chas. Henke.
Two-st'y brick dwell.; cost, $3,000; owners and contractors, Stewart & Sterogeon R. E. Co.
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St. Louis, Mo. — Two-st'y brick public school; cost, $13,000; owner, St. Louis Public School; contractors, L. Saylor & Son.

STABLES.

Bustleton, Pa. — *Hoff St.*, s w s, two-st'y frame barn; builder, Robert Neauman.

Boston, Mass. — *Vale St.*, near Burnham St., Ward 15, two-st'y frame stable, flat roof, 30′ x 80′; owner and builder, Choate Burnham.

Brooklyn, N. Y. — *Bedford Ave.*, s w cor. Bergen St., three-st'y brick stable, tin roof; cost, $17,000; owner, E. O. Pierce, on premises; architect, Robert Dixon, 219 Montague St.
Park Ave., n s, 75′ w Washington Ave., two-st'y brick stable and dwell., gravel roof; cost, $8,000; owners, Von Glahn Bros., 7-11 Washington Ave.; architect, J. G. Glover, 186 Remsen St.

Chicago, Ill. — W. O. Connelly, three-st'y stable and flats, 478 West Huron St.; cost, $4,000.

New York, N. Y. — *East Seventy-seventh St., No.* 115, three-st'y brick stable, tin roof; cost, $12,000; owner, Frank P. Perkins, Irvington, N. Y.; architect, Frank Tyrrell, 430 East Seventy-second St.
East Seventy-second St., No. 435, brick stable; cost, $7,000; owner, M. A. Daly, 435 East Seventy-second St.; architect, Jas. Daly, 435 East Seventy-second St.
West End Ave., e s, 75′ n Sixty-fourth St., two-st'y brick stable, tin roof; cost, $10,000; owner, Thomas F. Devine, 547 West Fifty-fifth St.; architect, H. P. Seybert, Portchester, N. Y.
Twenty-fifth St., n s, 310′ e First Ave., two-st'y brick stable, gravel roof; cost, $5,000; owner, Geo. M. Smith, 78 West One Hundred and Thirty-second St.; architect, A. B. Ogden, 1031 Madison Ave.

Philadelphia, Pa. — *South Seventh St., No.* 1825, frame stable; owner, C. H. Keyes, 1825 South Seventh St.
Powelton Ave., s s, e Forty-first St., two-st'y stable; builder, Benjamin Hoover, 917 Belmont Ave.
Penn St., w s, s Harrison St., two-st'y stable; owner, W. S. Roberts, 4915 Penn St.
Edison St., s s, e Bound Brook R. R., two-st'y stable, etc.; contractor, Amos W. Linn, 4767 Garden St.
Newkirk St., No. 2553, two-st'y brick stable; owner, Wm. J. Millin, 2553 Edgemont St.
Harman St., n s, w Twenty seventh St., two-st'y brick stable and dwell.; builder, Samuel C. Blair, 2727 Diamond St.
Woodland St., e s, n Seventy-third St., two-st'y brick stable; builder, Richard Ennis, Woodland Ave., cor. Seventy-third St.
Coral St., w s, n Sargeant St., two-st'y stable; builders, Fullerton & Townsend, 2141 Jasper St.
Penn Ave., e s, n Ogden St., one-st'y stable; owner, J. A. Layton, 878 North Thirtieth St.
North Forty-second St., No. 118, two-st'y brick stable; builder, John Bateson, 658 North Thirty-eighth St.
Ridge Ave., No 3151, *rear*, two-st'y stable; owner, James W. Benn, on premises.
Hazel Ave., n s, w Sixtieth St., two-st'y frame stable; builder, Walker Jennings, Cardington, Delaware Co., Pa.
Reese St., e s, n Luzerne St., two-st'y stable; owner, John Miller.
Orkney St., w s, n Indiana Ave., one-st'y stable; builder, Eugene Schmidt, 1713 Mascher St.
Twentieth St., e s, s Pierce St., two-st'y stable; owner, C. B. Prettyman, 1152 South Twentieth St.

Somerville, Mass. — *Hudson St., No.* 53, frame stable, 18′ x 25′; owner and builder, Arthur W. Berry.
Near Linwood St., frame stable, 30′ x 40′, with sheds; owner and builder, Thomas F. McDevitt.
School St., No. 216, frame stable, 18′ x 22′; owner and builder, Henry Dalnty.

Westfield, Mass. — J. A. Larkin, barn; cost, $3,000; architects, Clough & Reid.

STORES.

Brooklyn, N. Y. — *Bridge St.*, e s, 60′ n Sands St., four-st'y brick store and flats, tin roof; cost, $9,500; owner, John M. Claney, Bridge and Sand Sts.; architects, J. D. Reynolds & Son, 36 Fulton St.
Knickerbocker Ave., s e cor. Himrod St., 2 three-st'y frame stores and dwells., tin roofs; total cost, $9,300; owner, Ernest Augustin, on premises.
Bushwick Ave., at cor. Maspeth Ave. and North Second St., four-st'y frame store and dwell., tin roof; cost, $8,500; owner, Otto Huber, Meserole and Bushwick Aves.
Auburn Pl., n e cor. Canton St., five-st'y brick store and dwell., tin roof; cost, $7,000; owner, L. Arensberg, 143 Myrtle Ave.; architect, T. F. Houghton, 340 Fulton St.
Gates Ave., s s, 200′ w Irving Ave., three-st'y frame store and dwell., tin roof; cost, $4,300; owners, architects and builders, Burkhard & Dreher, 295 Wyckoff Ave.
Throop Ave., w s, 60′ s Myrtle Ave., three brick stores and stables, gravel roofs; cost, $1,000 each; owners, E. B. Tuttle & Co., Bedford Ave., near Morton St.; architect, W. H. Gaylor, 110 South Eighth St.
Butler St., n w cor. Albany Ave., three-st'y brick store and dwell., tin roof; cost, $9,000; owners, Taber & Case, 204 Montague St.; architects, Anzi Hill & Son, 1161 Fulton St.
Central Ave., s w s, 25′ s e Halsey St., three-st'y frame store and dwell., tin roof; cost, $5,500; owners, architects and builders, Cozine & Gascoine, 1223 Bushwick Ave.

Chicago, Ill. — Maurice Danisher, three-st'y store and flats, 516 Forty-seventh St.; cost, $5,500.
Mary Shehan, three-st'y store and flats, 1557 West Harrison St.; cost, $8,200.
Parker M. Lewis, two-st'y store and flats, 1433-35 Wabash Ave.; cost, $3,000.
Bulluck Bros., 2 three-st'y stores and flats, 25-27 West Forty-eighth St.; cost, $6,000.
E. Lewis, 4 three-st'y stores and flats, 273-281 Ogden Ave.; cost, $21,000.
John Richak, four-st'y store and flat, 607 Blue Island Ave.; cost, $8,000.

New York, N. Y. — *Hubert St., No.* 17, five-st'y brick store, tin roof; cost, $5,500; owner, J. W. Dimmick, 31 Madison Ave.; architect, M. A. Ryan, 62 East Eighty-eighth St.
One Hundred and Twenty-fifth St., s s, 200′ w Sixth Ave., five-st'y brick store; cost, $40,000; owner, Edward Farrell, 73-75 Broadway; architect, John P. Leo, 38 Park Row.

Philadelphia, Pa. — *Lehigh Ave.*, n s, bet. Fifteenth and Sixteenth Sts., 4 three-st'y brick stores and dwells.; builder, H. Banaclough, 3231 North Front St.

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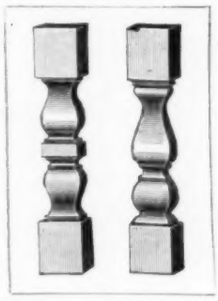

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Cambria St., s s, w Marshall St., two-st'y brick dwell.; contractors, Woelful & Schmunck, 614 Cambria St.

Twentieth St., e s, s Pierce St., two-st'y brick store; owner, C. B. Prettyman, 1252 South Twentieth St.

Fortieth St., e s, n Filbert St., three-st'y brick store and dwell.; builder, Daniel Kirkman, 4041 Filbert St.

Germantown Ave., e s, opp. Manheim St., one-st'y store; owner, M. D. Warthman, 48 Mechlin St.

Main St., e s, n Penn St., one-st'y store and shop; builder, John P. Neill, 5 West Coulter St.

Haverford Ave., No. 3807, three-st'y brick store and dwell.; contractors, A. N. Dougherty & Co., 646 North Thirty-seventh St.

St. Louis, Mo.—Two-st'y brick store and offices; cost, $30,000; owners and contractors, Mo. Pac. Ry. Co.

Tacony, Pa.—*Longshore St.*, n Tulip St., brick store; owner, P. E. Costello.

TENEMENT-HOUSES.

New York, N. Y.—*Ninetieth St.*, s s, 100′ w First Ave., 4 five-st'y brick tenements, tin roofs; owners, Sauer & Gross, 548 East Eighty-seventh St.; architect, Frank Wennemer, 204 East Eighty-sixth St.

One Hundred and Twentieth St., s s, 125′ w Eighth Ave., 3 five-st'y brick tenements, tin roofs; cost, $33,000; owner, James Thompson, 22 Mulberry St.; architect, John E. Kirby, 58 Liberty St.

Ninetieth St., s s, 100′ w First Ave., 4 five-st'y brick tenements, tin roofs; cost, $55,000; owner, Miss L. Gross, 548 East Eighty-seventh St.; architect, Frank Wennemer, 204 East Eighty-sixth St.

Eighth Ave., e s, 25′ 11″ n West One Hundred and Eighteenth St., 6 five-st'y brick tenements, tin roofs; cost, $66,000; owner, Philip Braender, 120 East Eighty-sixth St.; architect, William Graul, 215 Bowery.

St. Ann's Ave., e s, 372′ s Westchester Ave., four-st'y brick tenement, tin roof; cost, $9,500; owner, William Daell, 580 St. Ann's Ave.; architect, Andrew Olsson, 606 St. Ann's Ave.

Somerville, Mass.—*Beacon St.*, cor. Washington St., frame block, three stories, flat roof, 32′ x 48′, with two stores under; owner, Michael B. Dewire; builder, John McGarr.

Springfield, Mass.—Brick tenement block, Greenwood St.; cost, $8,000; owner, Henry Alden, Thompsonville, Conn.; contractor, P. L. Morse.

WAREHOUSES.

Baltimore, Md.—E. D. Onion, four-st'y brick warehouse, s e cor. Monument St. and Hartford Ave.

James McGraw, four-st'y brick warehouse, w s Ensor St., bet. Madison and Chew Sts.

Brooklyn, N. Y.—*Washington Ave.*, n w cor. Park Ave., five-st'y brick wholesale grocery warehouse, gravel roof; cost, $70,000; owners, Von Glahn Bros., 7-11 Washington Ave.; architect, J. G. Glover, 186 Remsen St.

Chicago, Ill.—E. M. Bourke, two-st'y warehouse, 579-590 West Polk St.; cost, $3,000.

New York, N. Y.—*West Houston St., Nos.* 100-102, six-st'y stone and iron warehouse; cost, $45,000; owners, Levy & Co.; architect, Charles Rentz.

MISCELLANEOUS.

Brooklyn, N. Y.—*Butler St.*, n s, 575′ e Court St., two-st'y brick station-house, tin roof; cost, $4,000; owner, Department of City Works, Municipal Building; architect, R. L. Daus, 26 Court St.

Camden, N. J.—*Sixth St.*, n Walnut St., one-st'y brick building for business purposes; builder, Joslah F. Dorman, 617 Broadway.

BUILDING INTELLIGENCE.

Holyoke, Mass.—M. Duke, two-st'y store and tenement building, Summer and Cabot Sts.; architect, G. B. P. Alderman.

New York, N. Y.—*One Hundred and Thirty-eighth St. and North River*, two-st'y boat-house; owners, Hudson Boat Club; architect, George Keister.

One Hundred and Fifteenth St., n s, 286′ 9″ e Pleasant Ave., brick boiler-house, gravel roof; cost, $5,000; owners, N. Y. Steam Company, 2 Courtland St.

The Armory Board has decided to advertise for plans for the proposed new armory at Park Ave. and Thirty-fourth St. Architects will be invited to compete, and the plans will be opened January 4.

St. Louis, Mo.—Two-st'y brick brewery; cost, $5,000; owner, Louis Obert; contractors, Hansen & Weber.

One-st'y brick brewery; cost, $2,500; owner, Louis Obert; contractors, Hansen & Weber.

Foundations of office-building; cost, $15,000; owners and contractors, Wainwright Building Co.

PROPOSALS.

January 5, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until — o'clock P. M. on the 29th day of January, 1891, for all the labor and materials required, and fixing in place complete, the low-pressure, return-circulation, steam-heating and ventilating apparatus required for the United States Court-house, Post-office, etc., building at San Antonio, Texas, in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at San Antonio, Texas. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time herein stated for the opening of the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-pressure, Return-circulation, Steam-heating and Ventilating Apparatus for the United States Court-house, Post-office, etc., building at San Antonio, Texas," and addressed to JAS. H. WINDRIM, Supervising Architect. 786

December 29, 1890. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M., on the 20th day of January, 1891, for furnishing the labor and materials required to complete the approaches to the United States Court-house, Post-office, etc., building at Clarksburg, West Va., also for laying, earthenware sewer-pipe from building to creek in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Custodian. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time herein stated for opening the same; also, all bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for Approaches, etc., for the United States Court-house, Post-office, etc., building at Clarksburg, West Va." and addressed to JAS. H. WINDRIM, Supervising Architect. 785

United States Engineer Office, 34 West Congress Street, Detroit, Mich., November 28, 1890. Sealed proposals, in triplicate, for furnishing all materials and labor, and building the masonry of a lock at St. Mary's Falls Canal, Mich., will be received at this office until 2 o'clock P. M., January 27, 1891, and then publicly opened. Preference will be given to materials of domestic production or manufacture, conditions of quality and price (import duties included) being equal. Attention is invited to Acts of Congress approved February 26, 1885, and February 23, 1887, Vol. 23, page 832, and Vol. 24, page 414, Statutes at Large. The Government reserves the right to reject any or all proposals; also to award the contract upon other considerations than the price. For further information apply at this office or to the United States Engineer Office, Sault. Ste. Marie, Mich. O. M. POE, Colonel Corps of Engineers, Bvt. Brig. Gen., U. S. A. 785

(*Continued on page* xxiv.)

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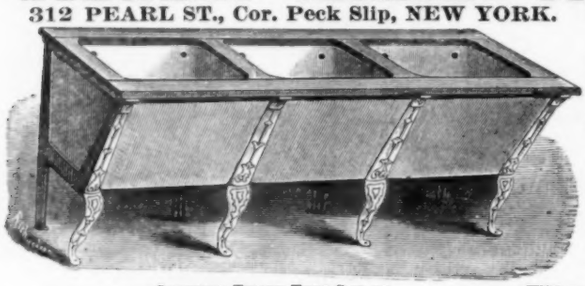

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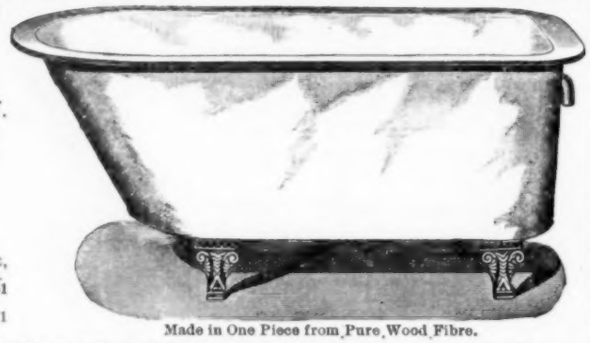

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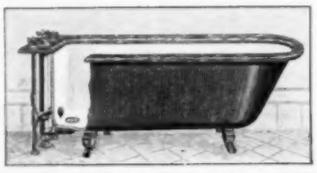

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PROPOSALS.

PROPOSALS FOR CAST-IRON DOOR AND WINDOW FRAMES AND WASHBOARDS. Office of Building for Library of Congress, No. 145, East Capitol Street, Washington, D. C., December 30, 1890. Sealed proposals for furnishing, delivering and putting in place complete the cast-iron frames, casings and trimmings for doors, windows and washboards in the basement and first story, and the cast-iron frames for doors and windows in the cellar of the building for the Library of Congress, in this city, will be received at this office until 2 o'clock P. M. on Wednesday, the 4th day of February, 1891, and opened immediately thereafter in presence of bidders. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application at this office. BERNARD R. GREEN, Superintendent and Engineer. 786

THIRTEENTH REGIMENT ARMORY. [At Brooklyn, N. Y.]

THIRTEENTH REGIMENT ARMORY COMMISSION, MAYOR'S OFFICE, CITY-HALL, BROOKLYN, N. Y., December 10, 1890.

NOTICE TO CONTRACTORS.

Sealed proposals will be received at this office **until the 14th day of January, 1891, at 12 o'clock** M., for each of the following purposes:

FIRST: For the amount of the cost of the construction of the whole Armory, including mason-work and works, carpenter-work and works, iron-work and works, steam-heating work and works, plumbing-work and works, contained in the respective specifications.

Amount of deposit, 5 per cent on estimated cost.

Amount of surety, 30 per cent on estimated cost.

SECOND: For the:

MASON-WORK AND WORKS contained in the Mason's Specification for the construction of the Thirteenth Regiment Armory.

Amount of deposit, 5 per cent on estimated cost.

Amount of surety, 30 per cent on estimated cost.

ALSO FOR:

The CARPENTER-WORK AND WORKS contained in the Carpenter Specification for the construction of the Thirteenth Regiment Armory.

Amount of deposit, 5 per cent on estimated cost.

PROPOSALS.

Amount of surety, 30 per cent on estimated cost.

ALSO FOR:

The IRON-WORK AND WORKS contained in the Iron Specification for the construction of the Thirteenth Regiment Armory.

Amount of deposit, 5 per cent on estimated cost.

Amount of surety, 30 per cent on estimated cost.

ALSO FOR:

The STEAM-HEATING WORK AND WORKS contained in the Steam-Heating Specification for the construction of the Thirteenth Regiment Armory.

Amount of deposit, 5 per cent on estimated cost.

Amount of surety, 30 per cent on estimated cost.

ALSO FOR:

The PLUMBING-WORK AND WORKS contained in the Plumbing Specification for the construction of the Thirteenth Regiment Armory.

Amount of deposit, 5 per cent on estimated cost.

Amount of surety, 30 per cent on estimated cost.

Each proposal must be accompanied by a deposit in money or by a certified check in the same amount, payable to the order of the Mayor of the City of Brooklyn, in the sum above specified for each of the separate works, such check or amount of money to be returned to the bidder in case his bid is rejected.

Plans may be seen at the office of the Department of Parks, City-Hall, and the office of the County Clerk, Hall of Records. Specifications may be obtained and forms of proposals can be procured on application to the Secretary at the Mayor's office.

Proposals for each of the separate works above stated to be made in two parts: one to include the cost of building from westerly property line to easterly line of westerly gable wall separating administration building and drill-hall; the other part of proposal to state the cost of balance of building.

The contracts, if accepted by the Commission, will be awarded at present, building operations to be commenced as soon as the weather will permit in the spring, and when notified by the Commission.

The mason-work to be completed within twelve months after such notification, and all the above other works stated to be completed within eighteen months thereafter.

Proposals will not be considered unless each proposal shall be accompanied by the deposit aforesaid, and also by an undertaking in writing, with two sureties, each of whom shall qualify as to his responsibility in the respective sums above mentioned, and who shall be owners of real estate in the County of Kings and the City and County of New York, in their own right, in the amount of such surety, and shall have held the same for at least one year prior to the time of becoming such surety, that if the contract be awarded to the party or parties proposing, they will become bound as his or their surety for its faithful performance; and, in case he or they shall neglect or refuse to execute the contract, if so awarded them, that they will pay to the Commission the difference between the price so proposed and the price at which the contract may be made with any other person or persons. Proposals to be endorsed "To the Thirteenth Regiment Armory Commission" (specifying work). The said proposals will be publicly opened and announced on the 14th day of January, 1891, at the hour of 12 o'clock M., provided that the Commission, or a majority of the Commission, be present. In case of the absence of the members of the Commission, then on the first day thereafter when they may be convened.

The Commission reserves the right to reject any or all bids for the construction of said work, if they deem it for the best interests of the County so to do.

ALFRED C. CHAPIN, Mayor.
GEORGE V. BROWER, President of Department of Parks.
HENRY H. ADAMS, County Treasurer.
WM. J. KAISER, County Clerk.
DAVID E. AUSTEN, Col. 13th Regt., N. G.
} Commissioners.

Attest:
DANIEL B. PHILLIPS, Secretary. 785

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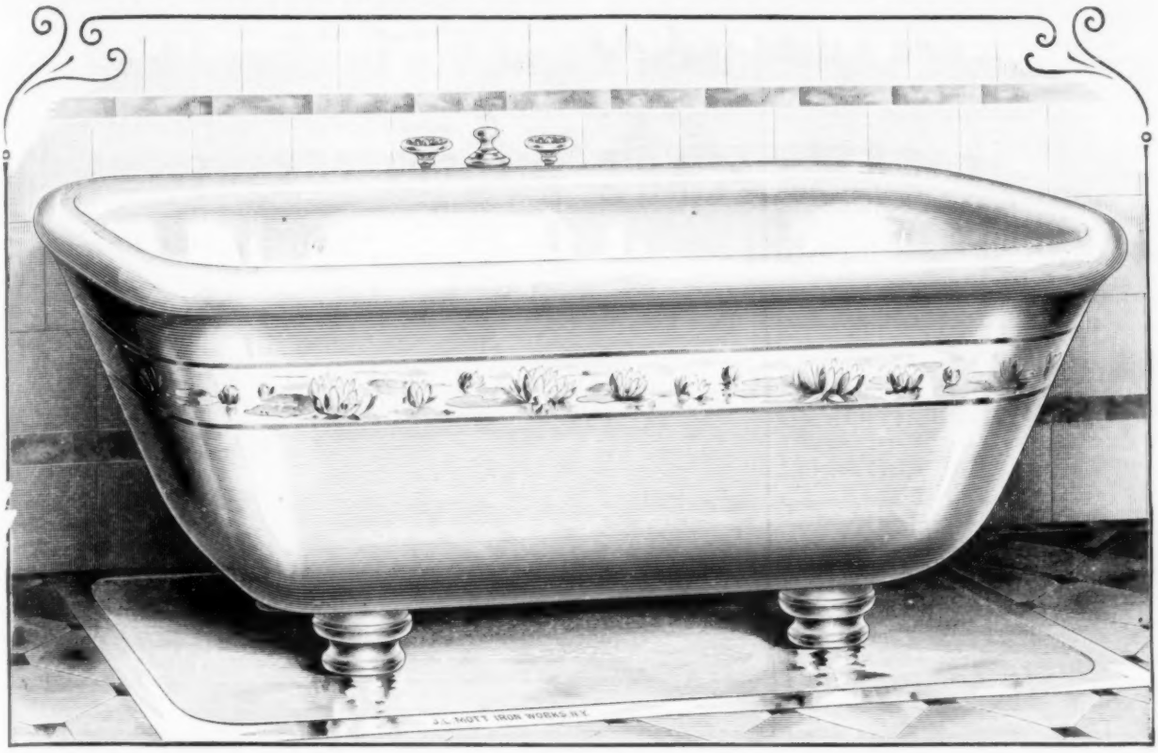

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[*See Alphabetical Index on page VII for Pagination.*]

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Waldo Bros., Boston.
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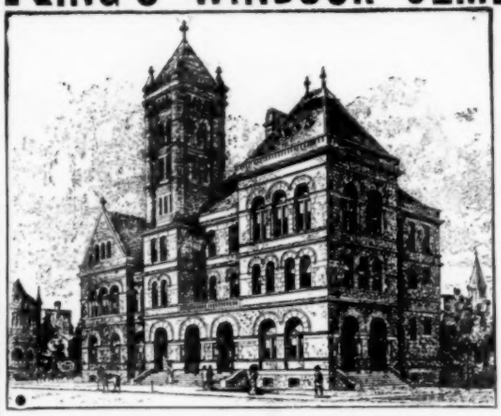

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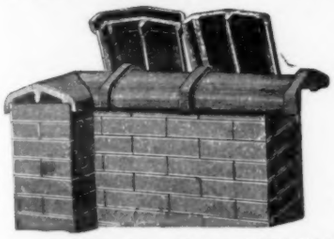

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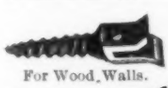

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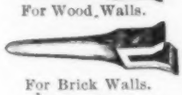

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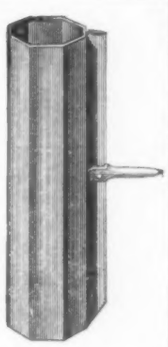

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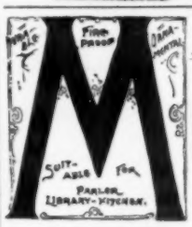

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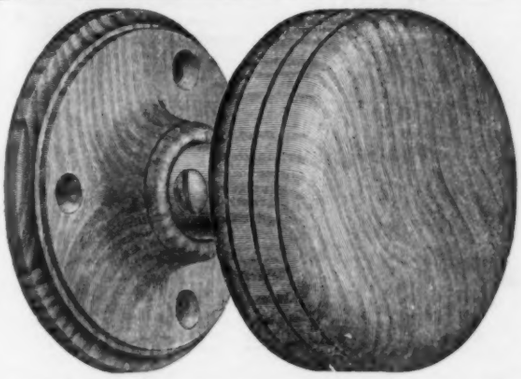

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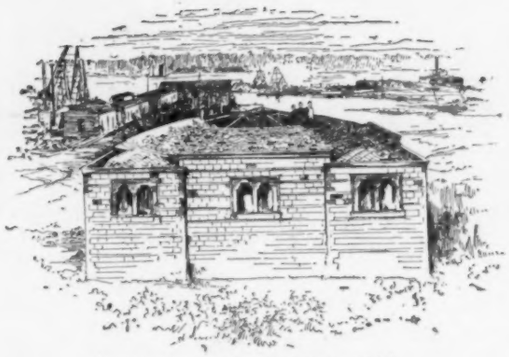

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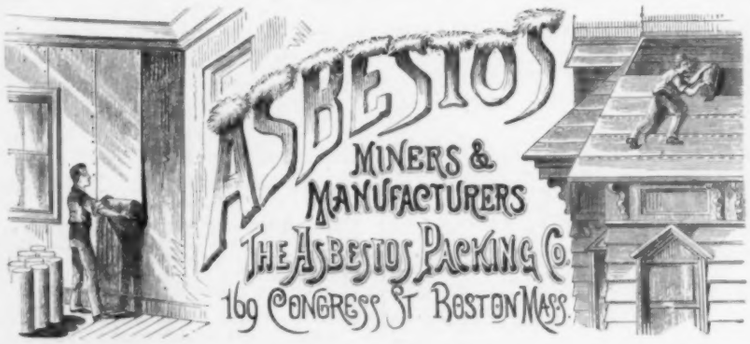

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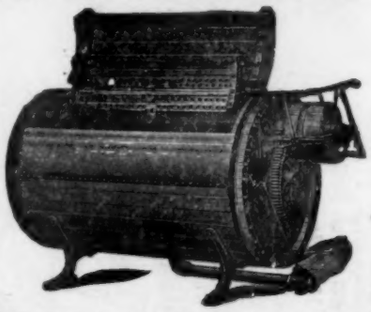

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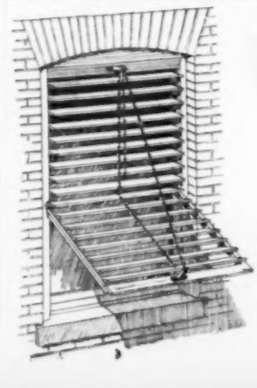

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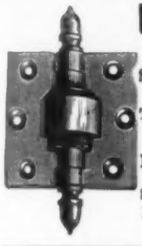

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LUMBER.—℔ M.				
Boards: (*Ordinary dimensions.*)				
Pine, 1st quality, clear	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 40 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 30	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 25 @ 2 30	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ℔ M	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ℔ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	{30" $35 @ 40 {24" 8 @ 21
Cedar, split ℔ M	@	@	*Not sold.*	{20" 35 @ 14
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	11 00 @ 14 00
Cypress. Split...7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	
Miscellaneous:				
Piles ℔ ft.	4½ @ 5½	Piles 6c. ℔ ft.	Cut to order.	
Fence pickets, Commo	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ℔ M. (*First Qual.*)				
Ash [*Kiln dried.*]	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 55 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ℔ ℔	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 17 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ℔ M	@ 45 00	40 00 @ 43 00	29 00 @ 40 00	50 @ 45 00

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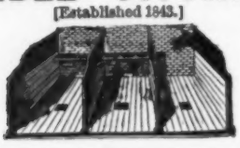

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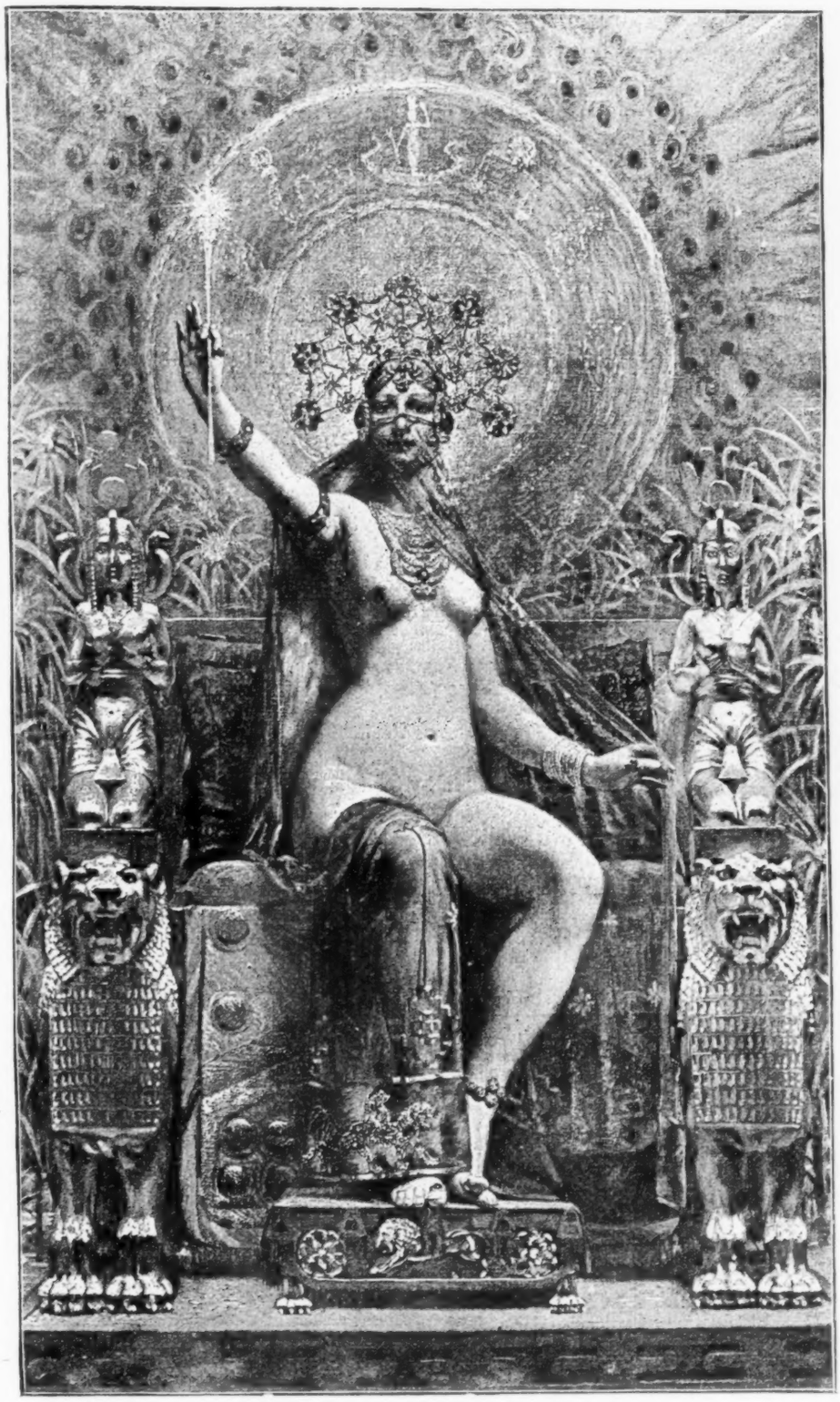
Common: *Cargo afloat.*				In Yard.
Pale	3 00 @ 3 50	Eastern	Building Brick	Sq. Hard @ 9 00
Jersey	5 00 @ 6 00	9 00 @ 10 00	@ 6 50	" @ 7 00
Long Island	5 75 @ 6 00	Bay State Hard		Salmon @ 5 00
Up River	5 50 @ 6 25	9 00 @ 10 00	Indiana Pressed	Sq. " @ 00
Haverstraw Bay 2nd	6 00 @ 6 50	Domestic Com.	14 00 @ 20 00	Light Stretchers @ 10 00
" 1st	6 50 @ 6 75	9 50 @ 10 00	St. Louis Fronts	Medium " @ 12 00
Hollow	@ 13 00	Domestic Face	@ 27 00	Red " @ 13 00
Fronts		20 00 @ 22 00		Dark " @ 13 00
Croton, Brown	@ 13 00	Philadelphia		Pressed 18 00 @ 20 00
" dark	@ 14 00	40 00 @ 45 00		Best Paving @ 14 00
" red	@ 14 00	Phila. mould	15 00 @ 27 00	Second " @ 13 00
Chicago pressed (Anderson)		50 00 @ 80 00	65 00 @ 350 00	Third " @ 12 00
Chicago Moulded			@ 55 00	
Baltimore	37 00 @ 41 00	Anderson	45 00 @ 50 00	
Philadelphia	23 00 @ 24 00	14 00 @ 32 00	45 00 @	
Trenton	22 00 @ 23 00		25 00 @	
Milwaukee			60 00 @ 100 00	
Moulded:			30 @	
Glens Falls Red Pressed	@ 37 00		35 @	
" " Buff "	@ 30 00		55 00 @ 65 00	
" " Moulded Red & Buff	45 00 @ 70 00			
Enamelled: *Imp.*			@ 100 00	
Enamelled (edge.)	85 00 @ 100 00		@ 120 00	Dom. @ 65
Enamelled (edge and end)	90 00 @ 115 00			@ 85
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	1 10 @ 1 25	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co	1 05 @ 1 30	B S & Co 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 60 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" (Burham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Jesson
" " (Lagerdofer)		2 55 @ 3 0	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not Sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85	2 15 @ 2 50	*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45	3 00	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	6 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	11 50	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25		9 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime
Hydraulic Lime	@ 1 45			25 @ 30 ₱ bush
Chicago Lime in bulk		@ 1 35	55 @	White Mass
Wisconsin "		St. ohn 1 00	60 @	1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 90	@ 1 05	*Not sold.*	1 00 @ 1 00
Rockland and Rockport, finish	@ 1 10	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing "	@ 1 05	*Not sold.*	*Not sold.*	*Not sold.*
Plaster of Paris (calcined.)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ bush	16 @ 18	25 @ 30	20 @ 25	20 @ 25
" (Goat)	20 @ 22	@ 90	30 @ 55	30 @ 35
Sand, ₱ load	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)		@ 60		55 @ 65
Limestone:	45 @ 1 25			
Bedford	@ 1 00	95 @ 1 00	50 @	75 @ 90
Joliet			35 @ 55	Richmond
Lemont			35 @ 60	75 @ 1 50
Serpentine		10 50 per ton	@ 1 00	4 50 ₱ Perch



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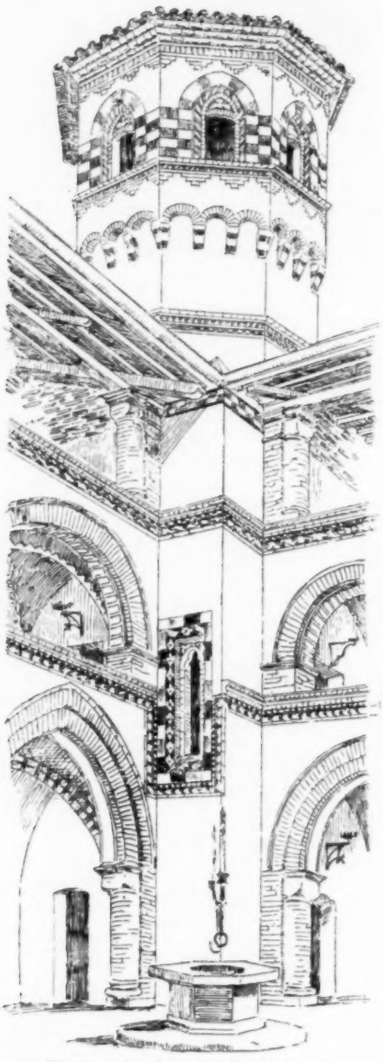
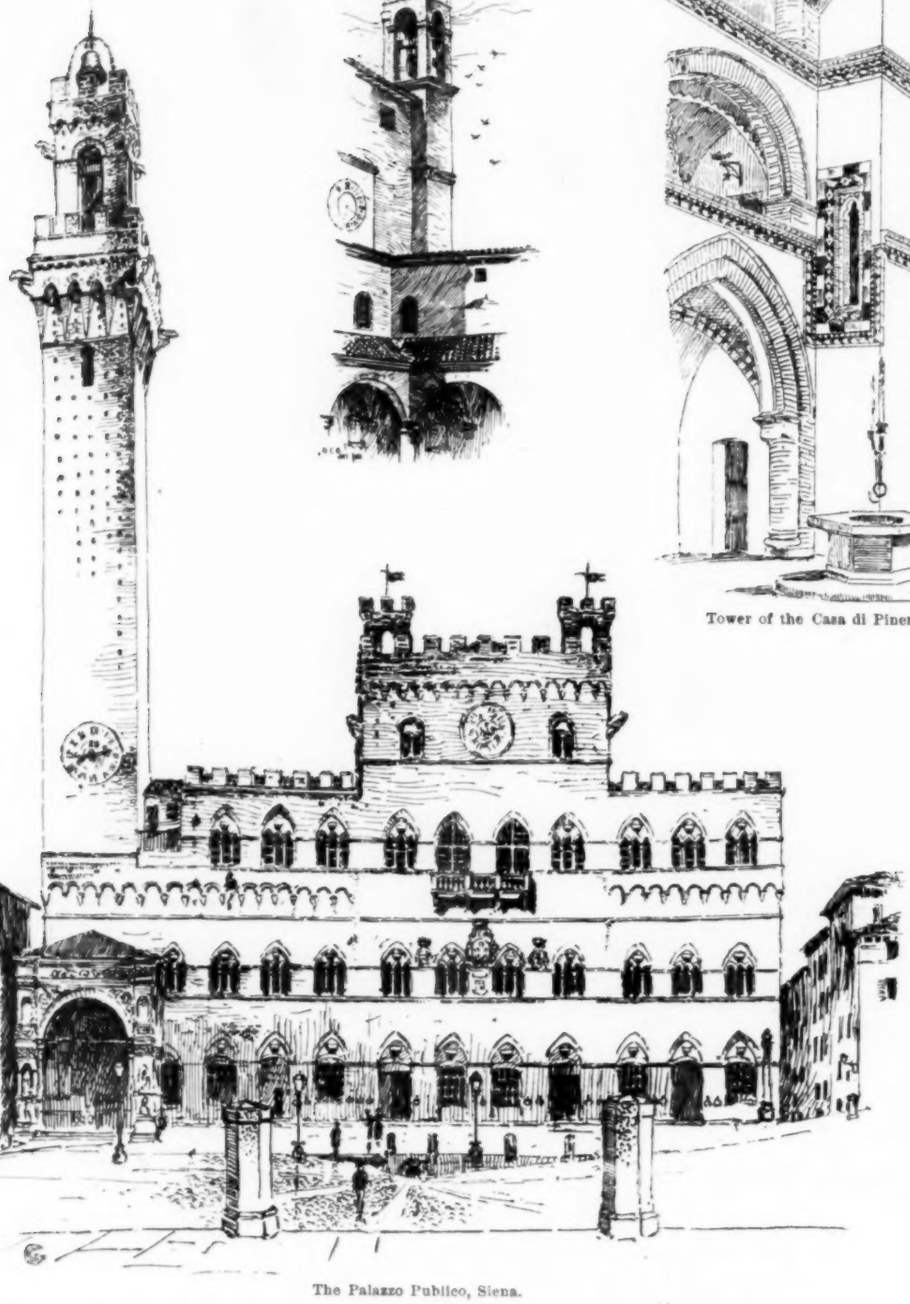


Tower of the Casa di Pinerolo, Turin.



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Mortar Colors.				
Black, brown, buff ℔ lb.	@ 2½			
Colorific ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (℔ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	75	50 @ 1 00	37 @ 50
Sandstone,				
Longmeadow	@ 80	80 @ 90		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Berea } Ohio	90 @ 95	90 @ 1 00	45 @ 50	
Berlin }	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Belleville	75 @ 1 00	80 @ 90	55 @ 65	
New Brunswick (Dorchester)	80 @ 1 25	1 25 @ 1 35	@ 1 25	
Caen	@ 1 00	75 @ 90	"	1 10 @ 1
Carlisle, English	@	@ 2 00	"	1 00 @ 1
Corse Hill (Scotch)	@ 1 05	@ 1 05		1 25 @ 1
		1 05		95 @ 1
Marble (℔ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not sold.*	2 00 @ 2 50
Rutland, white and Blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25½ @ 1 75	@ 2 00	350 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not sold.*	5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate; Roofing (℔ *square*)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 50 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	10 00 @ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" red	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
" black, Lehigh	@	@	7 30 @ 8 00	4 00 @ 4 65
" " Chapmans	@	@	6 00 @ 9 00	5 50 @ 8 00
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	*Not sold.*	@ 25 00
Tiles, Am. ℔ M.	@	@		6 00 @ 6 75
N. Peach Bottom, warranted unfading	@	@		
PAINTS. (*In oil,* ℔ *lb.*)				
White lead, Am.	7 @ 7½	7½ @ 7½	6½ @ 7	@ 7½
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.	6½ @ 7	7½ @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. 7
" Vermilion	65 @ 70	75 @ 80 dry	65 @ 68	Eng. 76
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ 7
Yellow Ochre	6 @ 12	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	52 @ 58	55 @ 56	57 @ 60	@ 60
" " boiled	54 @ 62	58 @ 59	60 @ 63	@ 6
Turpentine	39 @ 40	44 @ 45	51 @ 51	@ 44
Varnish, coach		1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac		2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	2	2 @ 4	02 @ 02½	2 @ 2½
Whiting (℔ *cwt.*)	75 @ 1 00	1 @ 1½	1 @ 1½	½ @ 1
Paris white, (Eng.)	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am.	5½ @ 6	@ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber, "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) **Spikes,** (*wrought.*)	@ 2 85	@ 2 20	2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 30	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 50	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4"x 4" (℔ *doz. pairs.*)				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not sold.*	1 35 @ 2 00
Acorn, Japanned (℔ *pair.*)	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (to cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (℔ *Set.*)				
Mineral, best	@ 8	8 @ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:			13 @ 16	13½ @ 16
Sheet Lead		@ 8	7	@ 6½
Lead Pipe		@ 7½	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft	3 3-10 @ 3½	@ 3 1-10	3 20 @ 3 70	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance.			" "	@ 2 8-10
Channel-Beams	3 3-10 @ 3½	@ 3 1-10		@ 2 8-10

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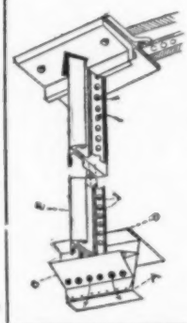

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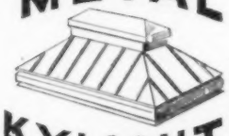

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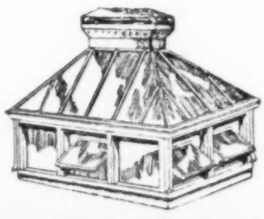

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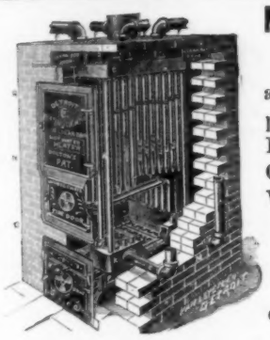

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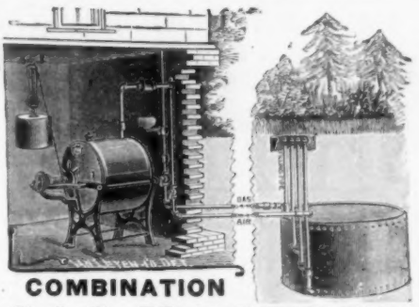

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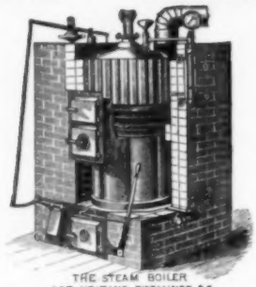

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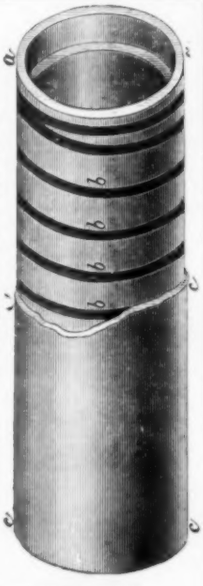

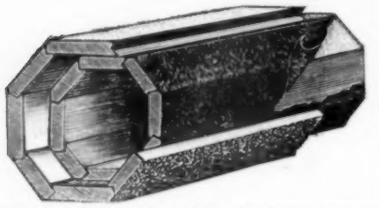

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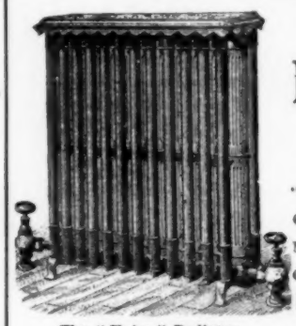

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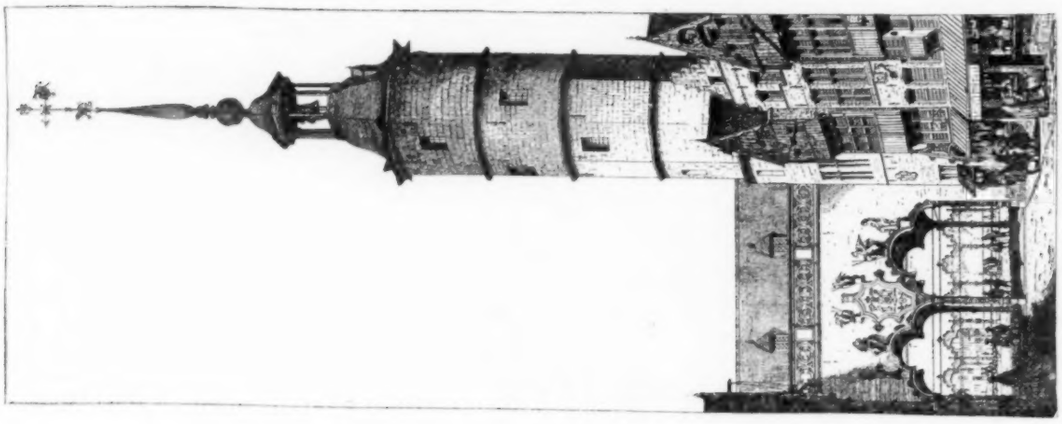

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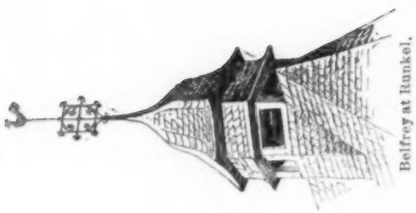

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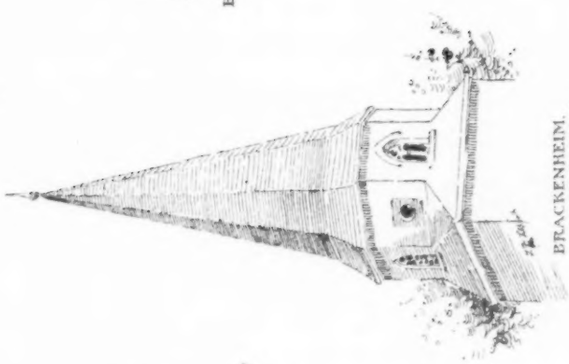

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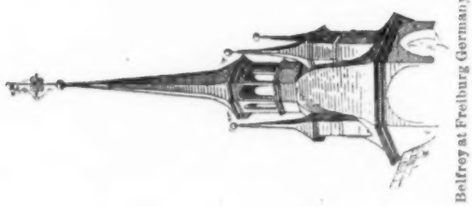

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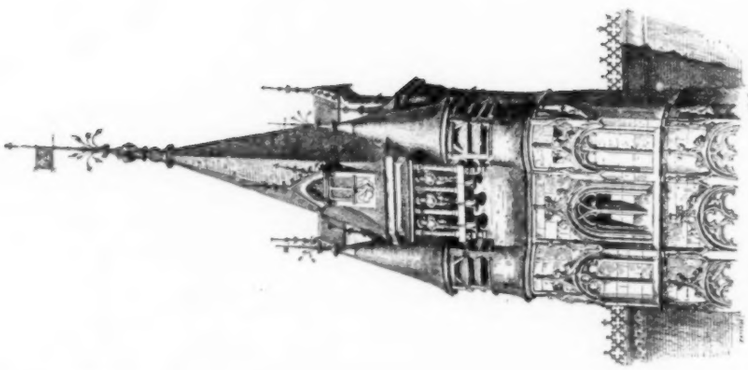

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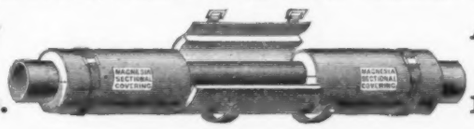

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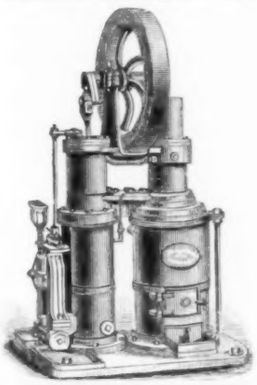

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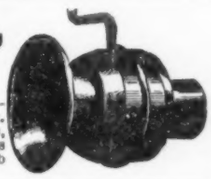

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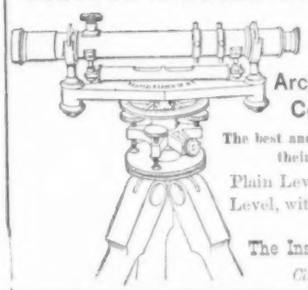

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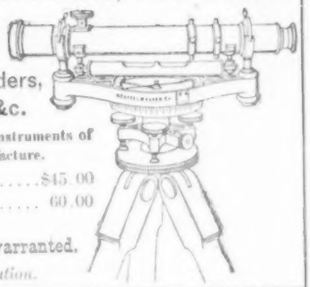

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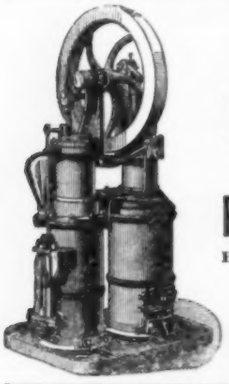

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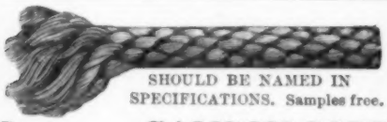

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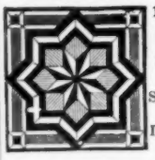

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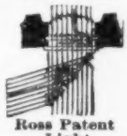

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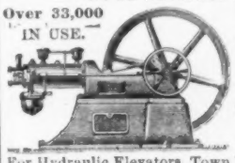

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443,380. Spring-Hinge. — Herman A. J. Rieckert, New York, N. Y.
443,391. Sash-Balance. — Wm. Cashner, Pleasant Hill, Mo.
443,418. Bolt. — Frank W. Wallace, Utica, Miss.
443,419. Water-Closet. — Peter White, St. Louis, Mo.
443,422. Paint. — John H. Baker, Chicago, Ill.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING JANUARY 9, 1891.

From Antwerp. — Steamer "*Rhynland*," 500 barrels cement, G. W. Sheldon & Co.; 500 do., F. Dreyer. Steamer "*Westernland*," 1,370 barrels cement, order.

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PROPOSALS.

United States Commission of Fish and Fisheries, Washington, D. C., January 13, 1891. — Readvertisement. — Sealed proposals will be received at this office until 12 o'clock, noon, of February 16, 1891, at which time they will be opened in the presence of attending bidders, for the construction of two buildings on the property of the United States Fish Commission at East Orland, Me. The right is reserved to reject any or all bids or parts of bids. Specifications, plans, blank proposals and full information will be furnished on application to the postmasters at Bangor, Bucksport and Ellsworth, Me., respectively. Marshall McDonald, Commissioner. 788

IMPORTS OF BUILDING MATERIALS, Etc.

From Bristol. — Steamer "*Connemara*," 52,000 bath-bricks, 2,000 cases do., Hammill & Gillespie; 24 blocks stone, G. P. Sherwood.

From Fiume. — Steamer "*Utopia*," 100 cases bricks, Hensel, Bruckmann & Lorbacher.

From Glasgow. — Steamer "*State of Nevada*," 96 cases granite, Wm. C. Townsend; 131 do., Austin, Baldwin & Co.; 105 cases granite, order; 14 cases granite, E. Foley.

From Hamburg. — Steamer "*Procida*," 2,000 cakes asphaltum, E. Thiele; 280 casks Portland cement, Baetjer & Meyerstein. Steamer "*Sorrento*," 560 casks cement, Gabriel & Schall.

From Havana. — Steamer "*Habana*," 32 pieces cedar, Edwin W. Adams & Co. Steamer "*Baldomero Iglesias*," 38 pieces cedar, order. Steamer "*Saratoga*," 76 logs cedar, order.

From Havre. — Steamer "*Connemara*," 17 logs walnut, C. Hickey.

From Liverpool. — Steamer "*Wisconsin*," 16 packages paving-tiles, G. W. Sheldon & Co.

From London. — Steamer "*Egyptian Monarch*," 1 case marble, 47 blocks do., Schneider, Campbell & Co.; 22 logs wood, J. Copcutt & Co.; 500 casks cement, E. Thiele: 9 cases alabaster slabs, Merchants' Dispatch Co.; 75 logs wood, 1,050 casks cement, order. Steamer "*Grecian*," 1,000 casks cement, German Bank of London.

From Marseilles. — Steamer "*Columbia*," 11 blocks marble, 1 do. stone, order.

From Stettin. — Ship "*Wilhelm*," 2,300 barrels cement, H. Marquardt & Co.

From Swansea. — Steamer "*Connemara*," 35 casks fire-brick, August T. Chur.

From Trinidad. — Steamer "*Alps*," 76 logs cedar, Wattson & Farr.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

ALTERATIONS.

Boston, Mass. — *Charles St., Nos.* 164-166, Ward 9, alterations and additions to brick dwells. for Massachusetts Charitable Eye and Ear Infirmary; builders, Rutan & Frazer.

Union Park St., Ward 17, alter first floor of dwell. for store; owner, Mrs. I. N. Keith; builder, Wm. P. Hanscom.

Camden, N. J. — *Jefferson St. and Broadway*, addition to mill; owners, Howland Croft Sons and Co.

Chicago, Ill. — Warren Leland, six-st'y addition to "Leland House," 184-185 Michigan Ave.; cost, $250,000.

John McCready, one-st'y addition, 45-47 Illinois St.; cost, $2 500.

J. B. Rodgers, two-st'y addition, 3805 Vincennes Ave.; cost, $1,500.

Corpus Christi, Texas. — Addition to Baylor College; cost, $20,000.

Philadelphia, Pa. — *Lawrence St.*, s e cor. Oxford St., internal alteration of dwell.; contractors, John Kramer & Son, 1314 North Front St.

South Seventeenth St., No. 45, internal alterations; contractor, Franklin Snyder, Falls of Schuylkill.

(*Continued on page* xix.)

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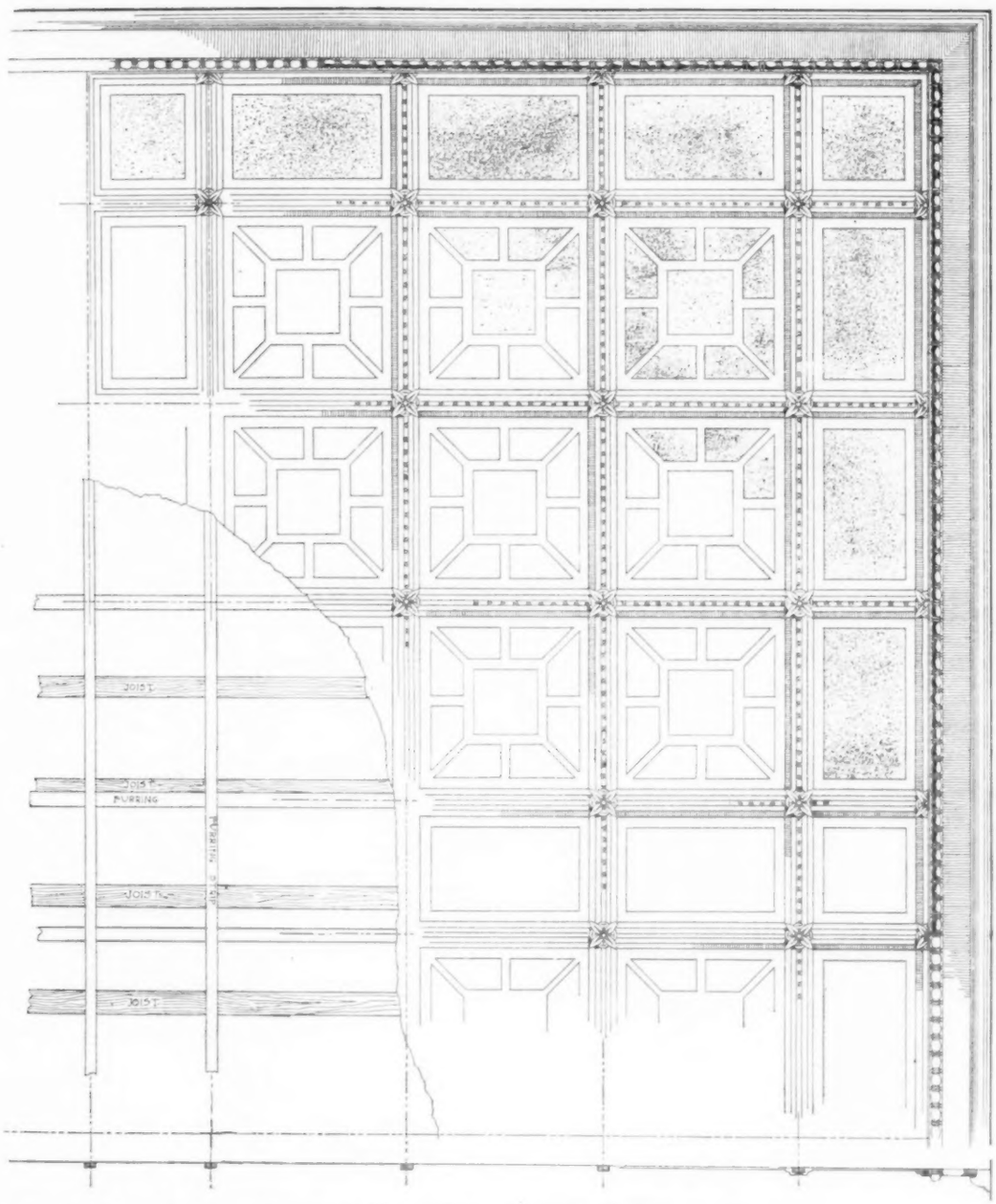

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Monument to Quentin Matsys.

Monument to Counts Egmont and Horn, Brussels, Belgium.

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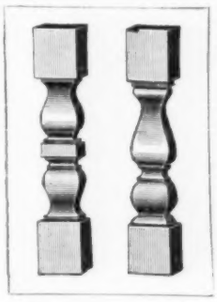

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BUILDING INTELLIGENCE.

South Broad St., No. 42, new front on store; contractor, Thomas W. Draper, 328 North Fifth St.

South Ninth St., Nos. 507-509, alteration; owner R. T. Hazzard, 814 Pine St.

West Shawmut Ave., three-st'y back building; owner, E. E. Davis, West Shawmut Ave.

Butler St., w Thirteenth St., two-st'y addition to parish-building; contractors, S. H. Williams & Son, 402 Tenor Pl.

Chestnut St., No. 1417, fourth story on back building; contractor, Thomas C. Sloan, 50 North Fortieth St.

North Third St., No. 2015, one-st'y addition; owner, Charles Yunde.

Warren St., n s, e Thirty-sixth St., internal and external alterations; contractor, Charles McCaul, 20 North Eleventh St.

South St., one-st'y addition to brick building; contractor, Reuben Farmer, 739 May St.

Stenton Ave., w s, n New St., two-st'y addition to stable; contractor, John Hollonstein, Roxborough Ave., Chestnut Hill.

Wylie St., Nos. 1708-1710, alterations; owner, Jas. B. Johnston.

APARTMENT-HOUSES.

Chicago, Ill.—T. Madson, three-st'y flats, 428 Southport Ave.; cost, $1,800.

Andrew Peterson, two-st'y flats, 37 Cherry Pl.; cost, $1,500.

J. Scheie, four-st'y flats, 36 Perry Ave.; cost, $1,500.

L. Nelson, two-st'y flats, 6400 Winter St.; cost, $2,500.

W. D. Kerfoot & Co., two cottages, Kerfoot and Vincennes Ave.; cost, $2,400.

Frank Fuller, two-st'y dwell., 4842 Ellis Ave.; cost, $10,000.

C. Warefield, 2 four-st'y flats, 371-373 North Clark St.; cost, $25,000.

Joe Kliss, two-st'y flats, 257 Seminary Ave.; cost, $3,000.

Joseph F. Pratt, 3 two-st'y flats, 1387-1389 Jackson Ave.; cost, $7,000.

Parent & Wilson, 6 two-st'y flats, 107-119 Dickey Ave.; cost, $4,200.

J. J. Mahoney, two-st'y flats, 3735 Wallace St.; cost, $4,000.

Joseph Duplicz, three-st'y flats, 4556-4558 Evans Ave.; cost, $25,000.

Thomas O'Keefe, three-st'y flats, 4642 Evans Ave.; cost, $8,000.

William La Bounty, two-st'y flats, 7735 Jefferson St.; cost, $1,500.

Frank G. Danielson, four-st'y flats, 186 Sedgwick St.; cost, $5,000.

Ostrand & Rimston, two-st'y flats, 5821 Carpenter St.; cost, $2,500.

F. B. Dyer, two-st'y flats, 213 Seminary Ave.; cost, $7,000.

I. Sherman, two-st'y flats, 193 Mozart St.; cost, $1,500.

K. Johnson, two-st'y flats, 2 Nebraska Ave.; cost, $2,000.

O. J. Larsen, two-st'y flats, 946 Seymour St.; cost, $2,700.

L. Trapp, two-st'y flats, Seventy-sixth St., near Madison St.; cost, $1,800.

T. O. Conner, two-st'y flats, Ninety-first St., near Buffalo Ave.; cost, $2,400.

Fred Lower, three-st'y flats, 20 Temple St.; cost, $3,500.

David Pyne, 2 two-st'y flats, 19-21 Vernon Park Ave.; cost, $8,500.

William Dannell, three-st'y flats, 1160 Lexington Ave.; cost, $5,000.

P. McAuliff, two-st'y flats, 216 Webster Ave.; cost, $2,300.

John Koch, three-st'y flats, 495 West Erie St.; cost, $4,000.

O. J. Olson, 3 three-st'y flats, 592 West Ohio St.; cost, $5,000.

Minneapolis, Minn.—O. N. Baldwin, three-st'y brick flats and store, 757-761 Washington Ave., n; cost, $28,000.

C. Anderson, three-st'y brick flats, 212 Eleventh Ave.; cost, $12,000.

New York, N. Y.—*Eighty-fourth St.*, s s, 118′ e Tenth Ave., 3 five-st'y buff brick flats, with brownstone trimmings; cost, $70,000; owner, R. T. McGree; architects, Thom & Wilson.

One Hundred and Eighteenth St., s s, 100′ w Eighth Ave., 4 five-st'y brick and stone flats; cost, $80,000; owner, W. T. Coggeshall; architect, Andrew Spence.

Lexington Ave., n e cor. Eighty-second St., 3 five-st'y light brick and brownstone flats; cost, $80,000; owners, Higgins & King; architects, Thom & Wilson.

Eighth Ave., w s, bet. One Hundred and Seventeenth and One Hundred and Eighteenth Sts., 8 buff brick and brownstone flats; cost, $220,000; owner, R. E. Johnson; architects, A. B. Odgen & Son.

Lexington Ave., n e cor. One Hundred and Twenty-first St., five-st'y brick and stone apartment-house; cost, $50,000; architect, John C. Burne.

One Hundred and Fifth St., n s, 170′ e Madison Ave., 3 five-st'y brick flats, tin roofs; cost, $63,000; owners, Feehan & Hammer, 1113 Second Ave.; architect, John C. Burne, 1531 Third Ave.

One Hundred and First St., n s, 175′ w Madison Ave., five-st'y brick flat, tin roof; cost, $20,000; owner, William M. Walsh, Williamsbridge, N. Y.; architect, Richard R. Davis, 247 West One Hundred and Twenty-fifth St.

One Hundred and Fourteenth St., n s, 100′ e Fifth Ave., five-st'y brick flat, tin roof; cost, $18,000; owner, Charles Stevens, 2292 Second Ave.; architect, William Graul, 215 Bowery.

One Hundred and Eighteenth St., n s, 80′ e Eighth Ave., 2 five-st'y brick flats, tin roofs: cost, $40,000; owner, Philip Brauder 120 East Eighty-sixth St.; architect, William Graul, 215 Bowery.

East One Hundred and Forty-second St., Nos. 669-671, 2 five-st'y brick flats, tin roofs; cost, $32,000; owner, Thomas Phillips, 674 East One Hundred and Forty-third St; architect, Robert B. Morrison, 539 East One Hundred and Fifty-fourth St.

Eighty-fifth St., s s, 155′ e Third Ave., five-st'y brick flat, tin roof; cost, $14,000; owner, Louis Wirth, 166 East Eighty-first St.; architect, Edward Wenz, 1491 Third Ave.

Fifth Ave., s w cor. One Hundred and Seventeenth St., 3 five-st'y brick flats, tin roofs; cost, $91,000; owner, Edward Frank, 248 East Seventy-second St.; architect, Wm. B. Frank, 35 Mt. Morris Ave.

West Twenty-first St., No. 311, five-st'y brick flat, tin roof; cost, $20,000; owner, James B. Gillie, One Hundred and Fifty-second St. and St. Nicholas Ave.; architect, M. V. B. Ferdon, 272 West Thirty-fourth St.

First Ave., e s, 50′ n Ninetieth St., 4 five-st'y brick flats, tin roofs; cost, $72,000; owner, Wm. Vinaupp, 538 East Eighty-third St.; architect, Fr. S. Baruss, 611 East One Hundred and Fifty-first St.

One Hundred and Thirteenth St., s s, 100′ e Fifth Ave., 4 five-st'y brick flats, tin roofs; cost, $88,000; owner, John S. Scott, 4 West One Hundred and Thirteenth St.; architect, John C. Burne, 1531 Third Ave.

Ninety-eighth St., n s, 268′ 6″ e Tenth Ave., 7 four-st'y brick flats, tin roofs; cost, $200,000; owner, John M. Hutton, 58 West One Hundredth St.; architect, M. V. B. Ferdon, 272 West Thirty-fourth St.

Madison Ave., w s, 118′ n Eighty-fourth St., five-st'y brick flat, tin roof; cost, $52,000; owner, Robert B. Lynd, Madison Ave. and Eighty-fourth St.; architect, John H. Duncan, 237 Broadway.

One Hundred and Thirty-second St., s s, 125′ e Fifth Ave., 3 five-st'y brick flats, tin roofs; cost, $86,000; owner, Lizzie T. Wilkes, 201 Seventh Ave.; architect, Charles Baxter, 133 East Twenty-fourth St.

One Hundred and Seventeenth St., n s, 200′ w Eighth Ave., 2 five-st'y brick flats, tin roofs; cost, $36,000; owner, Edward Cunningham, 395 Manhattan Ave.; architect, Henry Davidson, 222 Ninth Ave.

One Hundred and Thirty-third St., n s, 275′ e Seventh Ave., five-st'y brick flat, tin roof; cost, $23,000; owner, William J. Gilmore, 296 West One Hundred and Thirty-third St.; architect, John C. Burne, 1531 Third Ave.

Alexander Ave., s w cor. One Hundred and Forty-first St., 4 five-st'y brick flats, tin roofs; cost, $73,000; owners, Catharine McLean and Ellen Long, 727-729 East One Hundred and Thirty-eighth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Central Park, West, 55′ 6″ n Eighty-third St., seven-st'y brick flat, plastic slate roof; cost, $100,000; owner, Edward Purcell, 296 Potter Building; architects, Danmar & Fischer, 38 Park Row.

Seventy-second St., s s, 548′ e Avenue A, 2 five-st'y brick flats, tin roofs; cost, $32,000; owner, Adolph Klempt, 538 Fulton St., Brooklyn; architect, Edward Wenz, 1491 Third Ave.

St. Louis, Mo.—Two-st'y brick flats; cost, $6,600; owner, Miss M. C. Clemens; contractors, Engel & Riedisser.

Two-st'y brick flats and store; cost, $6,000: owner and contractor, A. Meglitsch.

CHURCHES.

Boston, Mass.—*White St.*, near Monmouth Square, Ward 1, one-st'y frame church, 49.6′ x 104′, for East Boston Universalist Society.

Breed St., near Saratoga St., Ward 1, one-st'y frame church, 36′ x 87.6′; owner, Breed-St. Methodist-Episcopal Society; builder, J. J. Hamilton.

Chattanooga, Tenn.—The African Methodist Episcopal congregation will build a church; cost, about $15,000.

Danville, Ky.—The Methodist Episcopal Church, s, will build a church: cost, about $20,000.

Providence, R. I.—*Larch St.*, frame church; cost, $3,300; owners, Highland Chapel Society; builders, A. C. Thornton & Son.

FACTORIES.

Boston, Mass.—*Congress St., No.* 336, Ward 13, six-st'y brick factory, flat roof, 58.8½′ x 100′; owners, Boston Wharf Co.

Chicago, Ill.—Vaughn & Bushnell Manufacturing Co., two-st'y factory, 877-889 Carroll Ave.; cost, $15,000.

Cincinnati, O.—Chatfield & Woods, three-st'y factory, Eighth St. and Broadway; cost, $6,000; architect, Jacob Kuckertz.

New York, N. Y.—*East Twenty-second St., Nos.* 309 and 311, six-st'y brick factory, tin roof; cost, $32,000; owner, S. Ottenberg & Bros., 298 East Seventy-second St.; architect, French, Dixon & De Salden, Broadway and Fifty-seventh St.

Philadelphia, Pa.—*Washington St., No.* 1340, one-st'y factory; contractor, Allen B. Rorke, 732-734 Drexel Building.

Clarion St., e s, n Westmoreland St., one-st'y carpet-factory; owners, Dickson Bros., 3045 Frankford Ave.

HOTELS.

Athens, Ga.—The building of hotel is contemplated, cost, $125 000.

Franklin, Tenn.—It is proposed to build a hotel to cost $30,000.

HOUSES.

Baltimore, Md.—A. L. Gorter, 10 three-st'y brick buildings, s s North Royal Ave., bet. Maryland Ave. and Morton Alley.

Charles R. Taylor, 4 two-st'y and mansard roof buildings, w s Old York Road, n Carroll Ave.; and 2

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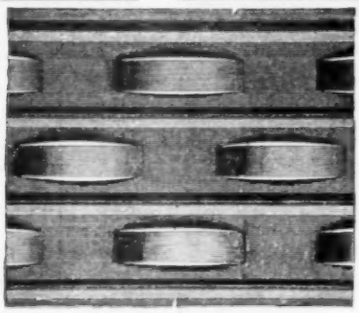

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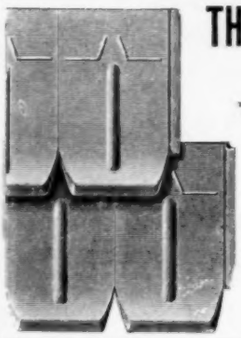

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BUILDING INTELLIGENCE.

two-st'y brick buildings, e s York Road, s Chestnut Ave.

Thomas M. Atkinson, 3 two-st'y brick and frame buildings, e s Cedar Ave. near Old Mill Road.

Boston, Mass.—*Milton St., No.* 14, Ward 8, three-st'y brick dwell., flat roof, 30′ x 33 6′; owner, Louis Keiffer; builder, R. O. Dunn.

Commonwealth Ave., near Charles Gate, West, Ward 22, 6 four-st'y brick dwells., flat roofs, 24′ x 62′; owner, J. H. Thompson; builder, D. L. Rand.

Dudley St., Nos. 375-331, Ward 21, 3 four-st'y brick dwells. and stores, flat roofs, 19′ x 37′; owner and builder, J. H. G. Adams.

Humphreys St., No. 22, and rear, Ward 20, 2 three-st'y frame dwells., flat roofs, one 24′ x 48′, the other 34′ x 34′; owner, W. R. Snow.

Blue Hill Ave., near Dalmation St., Ward 20, three-st'y frame dwell., flat roof, 20.4′ x 48′; owner, John Kiley; builder, David Currier.

Julian Ave., near Howard Ave., Ward 20, frame dwell., 20′ x 42′; owner, W. Pope; builder, F. R. Perkins.

Hyde Park Ave., near Ashland St., Ward 23, frame dwell., 22′ x 46′; owner, Julius A. Flick; builders, Sittig Bros.

Chapman Ave., near Lauriat St., Ward 24, frame dwell., 24′ x 40′; owner, Stillman A. Tucker; builder, Charles Cutter.

Ballard St., No. 4, Ward 24, frame dwell., 23′ x 35′; owner and builder, W. Davidson.

Nelson St. cor. Evans St., Ward 24, frame dwell. and store, hip roof, 32′ x 32′; owner, Mary E. Capen; builder, J. F. Haddock.

Ashfield St., near Walter St., Ward 23, frame dwell., 22′ x 35.6′; owner and builder, H. D. Van Norden.

Wheatland Ave., No. 34, cor. Whitfield St., Ward 24, frame dwell., 33′ x 66′; owner and builder, A. C. H. Laws.

Brooklyn, N. Y.—*Halsey St., No.* 135, n w s, s w Evergreen Ave., two-st'y frame dwell., tin roof; cost, $3,500; owners, architects and builders, Cozine & Gascoine, 1225 Bushwick Ave.

Pacific St, n e cor. Kingston Ave., four-st'y brick dwell., gravel roof; cost, $8,000; owner, F. J. Fellows, 452 Seventh St.; architect, F. L. Hine, 301 Gates Ave.

Pacific St., n s, 32′ 6″ from Kingston Ave., four-st'y brick dwell., gravel roof; cost, $8,000; owner, F. J. Fellows, 452 Seventh St., architect, F. L. Hine, 301 Gates Ave.

Montrose Ave., n s, 180′ e Bushwick Ave., 3 four-st'y brick dwells., tin roofs; cost, $8,500 each; owners, Maurer & Heilmann, 291 Stagg St.; architect, Th. Engelhardt, 905 Broadway.

Sumpter St., n s, 125′ e Saratoga Ave., 7 two-st'y frame dwells., tin roofs; cost, $2,500 each; owner, Wm. H. Barton, 10 Cooper St.; architect, John E. Dwyer, 1540 Broadway.

Hancock St., s s, 81′ e Throop Ave., 4 two-and-one-half-st'y brick dwells., tin roofs; cost, $6,000 each; owner, Mr. Neely, 252 DeKalb Ave.; architect, John E. Dwyer, 1540 Broadway.

Bushwick Ave., e s, 21′ n Schaeffer St., 3 two-st'y frame dwells., tin roofs; cost, $4,000 each; owner, Charles Wehr, Bushwick Ave. and Schaeffer St.; architect, Henry Vollweiler, 486 Hart St.

Kingston Ave., e s, 64′ n Pacific St., four-st'y brick dwell., gravel roof; cost, $8,000; owner, F. J. Fellows, 452 Seventh St.; architect, F. L. Hine, 301 Gates Ave.

Stone Ave., e s, 100′ s Sutter Ave., 4 two-st'y frame dwells., tin roofs; cost, $2,000 each; owner, Oscar W. Velsor, Hempstead, L. I.

Johnson Ave., n s, 30′ w Lorimer St., three-st'y frame dwell., tin roof; cost, $4,500; owner, William Staats, on premises; architects, D. Acker & Son, 752 Broadway.

Camden, N. J.—*Carpenter St.*, bet. Ninth and Tenth Sts., 13 two-st'y brick dwells.; owner, W. J. Aitken, 911 Market St.

Cherry St., e Fifth St., 5 two-st'y brick dwells.; owner, John Corbitt.

Lemon St., n s, e Norris St., two-st'y brick dwell.; owner, John F. Betz.

Chestnut St. and Newton Ave., 4 two-st'y brick dwells.; owners, Robbins Bros.

Jackson St., s s, e Seventh St., two-st'y frame dwell.; owner, George Dixon, 721 Vanhook St.

Chestnut St., s s, w Tenth St., two-st'y brick dwell.; owner, Jos. Caskey, Chestnut St., ab. Ninth St.

Central Falls, R. I.—Three-st'y frame dwell.; owner, William Wilson; architect, Albert Humes.

Chicago, Ill.—Simon Wolner, cottage, 36 Moore St.; cost, $1,300.

W. D. Kerfoot & Co., 6 cottages, 353-377 Jane St.; cost, $11,000.

John Moran, two-st'y dwell., 3700 Forrest Ave.; cost, $10,000.

G. W. Chamberlain, two-st'y dwell., 4420 Greenwood Ave.; cost, $15,000.

James Fayle, cottage, 431 Coulter St.; cost, $1,400.

BUILDING INTELLIGENCE.

P. N. Conboy, two-st'y dwell., 9541 Exchange Ave.; cost, $1,500.

Gilbert Wilson, 2 two-st'y dwells., 5527-5529 Monroe Ave.; cost, $8,000.

W. H. Moore, 2 three-st'y dwells., 111-113 Forty-seventh St.; cost, $24,000.

George W. Merchant, 2 two-st'y dwells., Sherman near Seventy-eighth St.; cost, $7,000.

A. Schatottag, cottage, 842 Jones Ave.; cost, $1,000.

J. H. Martin, two cottages, 2555, 2563 Thirty-eighth St.; cost, $1,600.

Julius Freeman, two-st'y dwell., 1413-1415 Central Park Ave.; cost, $8,000.

Mrs. A. M. Chellam, three-st'y dwell., 536 North State St.; cost, $5,000.

F. F. Resser, 2 two-st'y dwells., Seventieth and Robey Sts.; cost, $3,000.

Henry Klein, 3 two-st'y dwell., 1218-1220 North Clark St.; cost, $10,000.

L. Judd, cottage, 240 Hamlin Ave.; cost, $1,600.

Frank Matthews, two-st'y dwell., 198 Racine Ave.; cost, $7,000.

H. Eschenburg, cottage, 1347 Walcott St.; cost, $2,000.

E. U. Paul, two-st'y dwell., 188 Bowen Ave.; cost, $7,000.

Dr. Henry Hooper, four-st'y dwell., 541 North State St.; cost, $9,000.

A. Stine, three-st'y dwell., 3752 Michigan Ave.; cost, $5,000.

George Morgan, two-st'y dwell., 7646 Carlin Ave.; cost, $3,500.

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R. E. Lawton, two-st'y dwell. and barn, 4436 Greenwood Ave.; cost, $14,000.

Edward E. Ederer, two-st'y dwell., 1733 Roscoe St.; cost, $5,000.

John Miller, two-st'y dwell., 316 Giddings St.; cost, $2,500.

K. Frederick, three-st'y dwell., 190 West Clybourn Pl.; cost, $5,000.

Michael Walsh, three-st'y dwell., 447 Hermitage Ave.; cost, $7,000.

Charles H. Brown, two-st'y dwell., 893 Walnut St.; cost, $2,500.

Cincinnati, O.— F. Kaute, 3 two-and-one-half-st'y frame dwells., State St.; cost, $4,500; architect, L. G. Blair.

George W. Harper, 3 two-st'y frame dwells., Gilbert Ave.; cost, $4,500; architect, William White.

Samuel Rohrer, two-and-one-half-st'y frame dwell., Grand Ave.; cost, $2,500; architect, J. H. Steinbecker.

North Attleboro, Mass. — Two-and-one-half-st'y frame dwell.; owner, A. T. Parker; architect, Albert Humes, Central Falls, R. I.

New York, N. Y. — *Ninetieth St.*, n s, 100′ w West End Ave., 7 three-st'y brick dwells., tin roofs; cost, $84,000; owners, Burne & Sheridan, 1070 Park Ave. and 1623 First Ave.; architect, Thomas J. Sheridan, 1623 First Ave.

One Hundred and Fourteenth St., s s, 120′ w Fifth Ave., 7 three-st'y brick dwells., tin roofs; cost, $56,000; owner, Margaret E. Conlon, 346 Fifteenth St., Brooklyn; architect, F. J. Conlon, 78 East One Hundred and Sixteenth St.

Ninetieth St., s s, 100′ e Tenth Ave., 5 three-st'y brick dwells., tin roof; cost, $75,000; owner, Lewis M. Muller, 241 Union St.; architect, Albert Lang, 243 East Seventy-first St.

BUILDING INTELLIGENCE.

Seventy-second St., s s, 44′ w Boulevard, 4 four-st'y brick dwells., tin roofs; cost, $120,000; owner, Wm. Miller, 811 East One Hundred and Forty-fourth St.; architect, Wm. H. Baylan, 318 West One Hundred and Thirty-fifth St.

Seventy-third St., s s, 90′ w West End Ave., 3 four-st'y brick dwells., tin roofs; cost, $85,000; owner, Duncan C. McKinlay, 1492 Tenth Ave.; architect, Clarence True, Eighty-eighth St. and Boulevard.

Seventieth St., n s, 225′ e Columbia Ave., 5 four-st'y brick dwells., tin roofs; cost, $123,000; owner, George W. Ruddell, 163 West One Hundred and Twenty-first St.; architect, G. A. Schellinger, 128 Broadway.

Philadelphia, Pa. — *Thirty-first St.*, s Wharton St., 14 two-st'y dwells.; owner, Thomas H. Hory, 1439 South Twentieth St.

D St., w s, n Cambria St., 6 two-st'y dwells.; owners, Dickson Bros., 3045 Frankford Ave.

Bustleton Pike, Somerton, two-st'y dwell.; contractor, H. Stephens, Somerton.

Mitchell St., s s, e Martin St., 11 two-st'y dwells.; owner, W. H. Eddleman, 480 Green Lane.

Brown St., w Thirty-eighth St., 12 three-st'y dwells.; owner, Charles Bateson.

Dalkeith St., s Wayne Ave., two-st'y dwell.; owner, M. G. Hoob, 2538 North Eleventh St.

Nineteenth St., s w cor. Seger St., two-st'y dwell.; owner, Charles Ferry, 1750 Ward St.

Moore St., w Nineteenth St., 15 two-st'y dwells.; owner, James Donaldson, 1237 South Nineteenth St.

Twenty-seventh St., n Cumberland St., two-st'y dwell.; owner, Wm. Chambers, 2510 Huntingdon St.

G St., e s, s Tioga St., two-st'y dwell.; owner, John R. Robinson, 2021 East Ontario St.

Chestnut Ave., n s, cor. Bethlehem Pike, two-st'y dwell.; contractor, George S. Roth, East Union Ave.

Rover St., e s, n Abington Ave., 2 three-st'y dwells.; owner, Henry Watt, Main St., Chestnut Hill.

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Manayunk Ave., n s, e Hermit St., 2 two-st'y dwells.; owner, J. F. Mellowdou, on premises.

Third St., e s, n Mentor St., two-st'y dwell.; contractor, L. Altemus, Olney.

Byberry Road, e Somerton Pike, two-st'y dwell.; owner, Harry Stevens, Somerton.

Longshore Ave., n Vandyke St., 2 three-st'y dwells.; contractor, P. E. Costello, Tacony.

Wisteria St., n w cor. Boynton St., two-st'y dwell.; contractors, O'Brien Bros., Chew St. and Woodbine Ave.

Harmony St., w s, s Wharton St., two-st'y dwell. and store; owner, M. E. O'Brien, 728 South Nineteenth St.

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Miller St., s s, w Wisteria Ave., two-st'y dwell.; contractor, Isaac Scales, 2519 North Twenty-third St.

Wood St., w s, n Jefferson St., 2 two-st'y dwells.; owners, Wylie & Fisher, 214 Baldwin St.

Wharton St., s s, w Thirty-fifth St., 7 two-st'y dwells.; *Harmony St.*, w s, s Wharton St., 13 two-st'y dwells.; owner, M. E. O'Brien, 728 South Nineteenth St.

Sixth St., w s, n Ritter St., 5 two-st'y dwells.; owner, Wm. J. Smith, 617 Snyder Ave.

Pratt St., w s, s Dittman St., two-st'y dwell.; contractor, Thomas Rush, 4308 Mulberry St.

Byberry Road, n Somerton, two-st'y dwell.; contractor, Wilmer W. Ridge, Somerton.

Cambria St., s s, w Ninth St., 6 two-st'y dwells.; owner, A. F. Wadsworth, 920 West Somerset St.

Herman St., n s, w Sedgley St., 2 two-st'y dwells.; contractor, Jas. H. Young, 1902 South College Ave.

Hamilton St., s s, bet. Sixty-first and Sixty-second Sts., 2 two-st'y brick dwells.; owner, H. L. Waugh, 6122 Hamilton St.

Market St., s s, bet. Fifty-fifth and Fifty-sixth Sts., 2 two-st'y brick dwells.; owner, Charles Wilson, 5547 Chestnut St.

Lehigh Ave., n s, w Fifteenth St., 3 three-st'y brick dwells.; builder, H. Banaclough, 3251 North Front St.

Almond St., s s, n e York St., 12 two-st'y brick dwells.; owner, Wm. C. Williamson, 1800 North Sixteenth St.

Sedgeley Ave., n s, bet. Twenty-sixth and Twenty-seventh Sts., three-st'y brick dwell. and store; owner, O. A. Guenther, Sedgeley Ave. and Diamond St.

Providence, R. I. — *Rhodes St.*, frame dwell.; cost, $3,500; owner, James Rivers; builder, A. Mungivin.

Wayland Ave., two-and-one-half-st'y frame dwell.; cost, $12,000; owner, H. W. Huston; builders, Whitaker & Smith.

Chalkstone Ave., frame dwell.; cost, $3,500; owner, Robert Campbell; builder, John Rafferty.

Fallas and Kenyon Sts., two-and-one-half-st'y frame dwell.; cost, $4,000; owner, G. G. W. Baker.

St. Louis, Mo. — Two-st'y brick dwell.; cost, $6,500; owner, M. Ritche; contractors, Wm. Gahl & Co.

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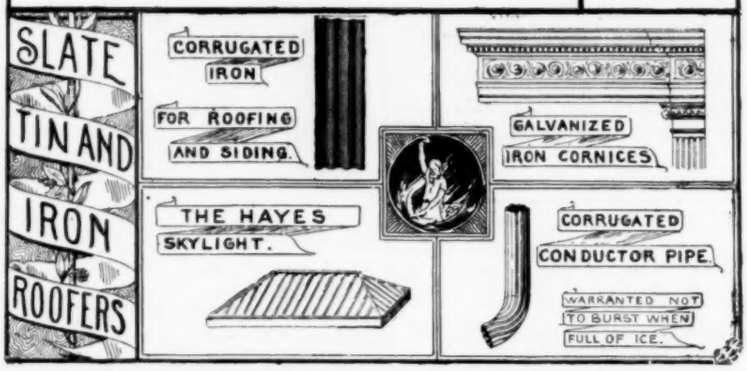

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Two-st'y brick dwell.; cost, $10,000; owner, Chas. H. Powell; contractor, J. A. Smith.

Two-st'y brick dwell.; cost, $2,500; owner, G. Leo; contractor, F. Reehme.

One-and-one-half-st'y brick dwell.; cost, $7,000; owner, T. W. Shaun; contractor, subiet.

Two adjacent three-st'y brick dwells.; cost, $7,000; owner, Frank Ambs; contractor, Jas. Stander.

Two-st'y brick dwell.; cost, $4,000; owner and contractor, Wm. Elias.

Two-st'y brick dwell.; cost, $4,500; owner, J. Eger; contractor, C. Bickel.

Two-st'y brick dwell.; cost, $2,700; owner, Geo. W. Walts; contractor, D. G. Hughes.

Springfield, Mass.—Wallace Shaw, Water St., four-st'y brick dwell and store, stone trimmings; cost, $7,115; contractors, Bartlett & Sharp; architect, J. M. Currier.

Charles R. Trask, two-and-one-half-st'y dwell.; cost, $3,500.

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Philadelphia, Pa.—*Ferry Lane*, N. Y. Div. P. R. R., two-st'y railroad station; contractors, J. E. & A. L. Pennock, 305 Walnut St.

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SCHOOL-HOUSES.

Anniston, Ala.—The issuance of bonds to the amount of $50,000 is contemplated for the purpose of building school-houses.

Baltimore, Md.—A new building for the Western Female High School is talked of.

Camden, N. Y.—*Mount Vernon St.*, n s, w Fifth St., site for school-house; cost, $7,500; owners, Board of Education.

Central Falls, R. I.—Brick school-house for Union School District, No. 182; cost, $25,000; architect, Albert H. Humes.

Chattanooga, Tenn.—Plans have been prepared for a school-house, to cost about $35,000.

Clarendon, Texas.—It is proposed to build a school-house, to cost about $15,000.

Fort Worth, Tex.—The Methodists contemplate building a college, to cost about $100,000.

STABLES.

Boston, Mass.—*Parker Hill Ave., rear*, near Tremont St., Ward 22, two-st'y frame stable, 22' x 30'; owner, Delia F. Gilligan; builder, Valentine Bock.

Boylston Ave., No. 64, *rear*, Ward 23, one-st'y frame stable, pitch roof, 27' x 34'; owner, Theodore Nagel; builder, J. W. Priesing.

Chestnut Ave., No. 63, *rear*, Ward 23, one-st'y frame stable, pitch roof, 18' x 18'; owner, P. W. Zimmerman; builder, J. W. Priesing.

Brookline, Mass.—*Centre St.*, two frame stables, each 28' x 40'; owner of one, Mrs. F. E. Preston; owner of other, Mrs. L. J. Mudgett; builder of both, Alfred Cutler, Newton Centre; architect, O. F. Smith, Boston.

New York, N. Y.—*Seventy-second St.*, s s, 548' e Avenue A, three-st'y brick stable, tin roof; cost, $14,000; owner, Adolph Klempt, 538 Fulton St., Brooklyn; architect, Edward Wenz, 1491 Third Ave.

East Twenty-fifth St., Nos. 410-414, two-st'y brick stable, gravel and asphalt roof; cost, $10,000; owner, C. H. Schultz, 440 First Ave.; architect, Louis Townsend, 120 Broadway.

Ninety-eighth St., s s, 150' e Second Ave., 2 two-st'y brick stables, tin roofs; cost, $10,000; owner, Corkey & Mullin, 311 East Ninety-third St.; architect, John C. Burne, 1531 Third Ave.

Seventy-seventh St., s s, 165' w Amsterdam Ave., five-st'y brick stable, tin roof; cost, $13,000; owner, Lotan Horton, 1282 Amsterdam Ave.; architects, Franke & Rooke, 547 West One Hundred and Twenty-fifth St.

Philadelphia, Pa.—*School Lane*, s s, e P. R. R., two-st'y stable; contractor, William Garvin, 5008 Adams St.

Freedland St., No. 4315, two-st'y stable; owner, E. T. Anderson, on premises.

York Road, e s, s Butler St., two-st'y stable; contractor, H. W. Roessler, 4311 Germantown Ave.

Ridge Ave., w s, s Ship Lane, two-st'y barn; contractor, T. M. Davis, 13 Fetter Lane.

Moyamensing Ave., w s, s McKean St., two-st'y stable; owner, J. J. Cassidy, Moyamensing Ave. and McKean St.

Federal St., No. 1438, two-st'y stable; owner, John T. Henry, 1440 Federal St.

Two-st'y stable; contractor, A. A. Campbell, 2012 Poplar St.

Bridge St., e s, n Paoli Ave., two-st'y stable; contractor, S. B. Righter, Fountain St., Roxborough.

Wistar St., n s, e Rubicam St., stable; contractor, Charles W. Reese, 214 Wistar St.

Sixty-fourth St., n w cor. Vine St., stable; owner, J. G. McCauley, 6401 Vine St.

Patton St., n w cor. Queen Lane, two-st'y stable; owner, Patrick Collins, on premises.

Twenty-ninth St., w s, s Dauphin St., two-st'y stable; owner, Louis Paul, 2307 North Thirtieth St.

Ninth St., Nos. 507-509, two-st'y stable; owner, R. T. Hazzard, 810 Pine St.

Queen St., n s, e Pulaski Ave., two-st'y stable; builder, John Hoyle, 3351 East Thirty-fifth St., Falls of Schuylkill.

STORES.

Brooklyn, N. Y.—*Siegel St., No.* 25, n s, bet. Leonard St. and Broadway, four-st'y frame store and dwell., tin roof; cost, $9,000; owners, Paskus & Feldman, 35 Moore St.; architect, Hugo Smith, 27 Moore St.

Siegel St., No. 15, n s, bet. Leonard St. and Broadway, four-st'y frame store and dwell., tin roof; cost, $9,000; owners, Paskus & Feldman, 35 Moore St.; architect, Hugo Smith, 27 Moore St.

Throop Ave., n w cor. Pulaski St., four-st'y brick store and dwell., gravel roof; cost, $10,000; owner, Geo. B. Stoutenburg, 391 Jefferson Ave.; architect, F. L. Hine, Gates Ave.

Macon St., s w cor. Howard Ave., four-st'y brick store and dwell., tin roof; cost, $12,000; owner and architect, Clarence Lincoln, 988 Jefferson Ave.

Evergreen Ave., n w cor. Halsey St., three-st'y frame store and dwell., tin roof; cost, $10,000; owners, architects and builders, Cozine & Gascoine, 1225 Bushwick Ave.

Gates Ave., s s, 250' e Hamburgh Ave., 2 three-st'y frame stores and dwells., tin roofs; cost, $4,000 each; owner, Mrs. Brennan, 131 Union Ave.; architect, H. W. Billard, 99 Broadway.

Bushwick Ave., n e cor. Schaeffer St., three-st'y frame store and dwell., tin roof; cost, $5,000; owner, Charles Wehr, Bushwick and Schaeffer Sts.; architect, Henry Vollweiler, 486 Hart St.

Walton St., No. 112, bet. Harrison and Throop Aves., three-st'y frame store and dwell., tin roof; cost, $4,200; owner, Henry Seiler, 12 Moore St.; architects, D. Acker & Son, 752 Broadway.

Chicago, Ill.—W. G. Rodke, two-st'y store and flats, 895 Western Ave.; cost, $4,000.

Prokop Kunif, four-st'y store and flats, 510 West Nineteenth St.; cost, $8,000.

D. Dohrn, three-st'y store and flats, 5904 School St.; cost, $5,000.

John Hoppe, three-st'y store and flats, 556 Belmont St.; cost, $4,500.

Albert Wagner, four-st'y store and flats, 170 Willow St.; cost, $8,000.

John A. Parsons, 2 two-st'y stores and flats, 113-115 Kedzie Ave.; cost, $6,000.

Val Blatz, three-st'y stores and flats, 31 West Ohio St.; cost, $4,000.

N. F. Labar, four-st'y store and flats, 2817 Cottage Grove Ave.; cost, $9,000.

William F. Schneider, two-st'y store and dwell., Fifty-ninth and Halsted Sts.; cost, $6,000.

New York, N. Y.—*Henry St.*, s e cor. Birmingham St., seven-st'y brick store, tin roof; cost, $23,000; owner, Harry Fischer, 55 Norfolk St.; architects, Buchman & Deisler, 8 West Twenty-ninth St.

Warren St., No. 73, six-st'y brick store, tin or cement roof; cost, $40,000; owner, Aurelia Coon, 317 West One Hundred and Twenty-sixth St.; architect, G. A. Schellinger, 128 Broadway.

Amsterdam Ave., s w cor. One Hundred and Sixtieth St., three-st'y brick store, tin roof; cost, $11,000; owners, Wright, Gillies & Bros., Amsterdam Ave. and One Hundred and Sixtieth St.; archi-

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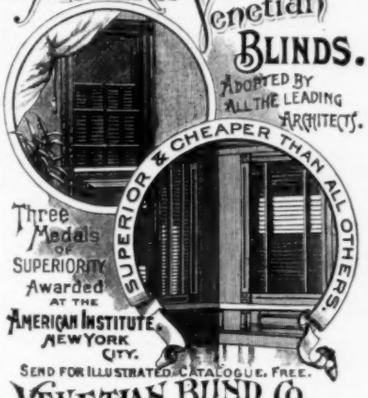

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West Houston St., Nos. 100-102, six-st'y brick store, tin roof; cost, $40,000; owner, Klotowski & Levy, 235 Henry St.; architect, Charles Rentz, 153 Fourth Ave.

Watts St., No. 40, five-st'y brick store, tin roof; cost, $16,000; owner, Samuel G. Truesdell, 50 Watts St.; mason, Hugh Getty, 274-279 Ninth Ave.

Pawtucket, R. I.—Three-st'y frame stores and tenements; owners, Lee Bros.; architect, Albert Humes, Central Falls, R. I.

Philadelphia, Pa. — *Woodland Ave.*, s w Lloyd St., two-st'y store; owners, Berlin Bros., 7223 Woodland Ave.

Sixty-third St., e s, s Vine St., store; contractor, Charles Bueywalter, 1621 Race St.

TENEMENT-HOUSES.

St. Louis, Mo.—Two-st'y brick tenement; cost, $3,500; owner, Tacke; contractor, Jos. Volk.

WAREHOUSES.

Chicago, Ill. — Paul O. Young, five-st'y warehouse, 159 Jefferson St.; cost, $10,000.

John J. Cuman, one-st'y warehouse, 444 Fourteenth St.; cost, $2,000.

New York, N. Y. — *Broome St., Nos.* 492-494, six-st'y brick warehouse, tin roof; cost, $85,000; owners, H. & S. Corn, 130 West Seventy-eighth St. and 23 West One Hundred and Twenty-eighth St.; architect, Alfred Zucker, Union Square.

Philadelphia, Pa. — *Morris St.*, foot of, two-st'y warehouse; owners, W. J. McCahan & Co., 147 South Front St.

MISCELLANEOUS.

Ambler, Pa. — *Lindenwold Ave.*, brick store, dwell. and hall; builder, Wm. E. Burrell.

The Philadelphia and Reading Railroad have purchased three acres of ground for $10,000 and will build a new freight station there.

Chicago, Ill.—Irving Park Hall Association, three-st'y club-house, Irving Park, near N. W. R. R.; cost, $14,000.

Chicago Hominy Mill Co., elevator, Grand Ave. and Belt Railroad; cost, $10,000.

Fort Worth, Texas.—It is reported that the masons will build a Masonic Temple, to cost about $125,000.

Mt. Holly, N. J.—*High and Brainerd Sts.*, plans are being prepared for the F. & A. M. of Mt. Holly, for four-st'y stone building; cost, about $12,000.

New York, N. Y. — *Mott St.*, e s, 54' n Spring St., two-st'y brick workshop, tin roof; cost, $3,500; owner, Gardner Estate, 330 Bowery; architects, J. Boekell & Son, 54 Bond St.

Rivington St., n e cor. Lewis St., six-st'y brick workshop and factory, tin roof; cost, $26,000; owner, Mark Ash, 918 St. Nicholas Ave.; architects, Schneider & Herter, 48 Bible House.

Willett St., No. 132, six-st'y brick light manufacturing building, tin roof; cost, $6,000; owners, Aaron & Issac, 116 East Ninetieth St. and 153 Suffolk St.; architect, Herman Horenberger, 99 East Third St.

Greenwich St., n e cor. Harrison St., four-st'y brick workshop, tin roof; cost, $14,000; owner, Edwin M. Harrison, Montclair, N. J.; architects, Leicht & Havell, 200 Broadway.

Cherry St., n w cor. Pelham St., six-st'y brick workshop, tin roof; cost, $26,000; owners, Weil & Meyer, 227 East Sixtieth St.; architects, Schneider & Herter, 48 Bible House.

First Ave., e s, 26' n Forty-fourth St., two-st'y brick slaughter-house and refrigerator, tin roof; cost, $25,000; owner, Marcus Fleischhayer, 348 East Fiftieth St.; architects, A. B. Ogden & Son, 1031 Madison Ave.

Philadelphia, Pa.—*Ruffin St.*, s s, e Delaware Ave., one-st'y brick electric-light station; contractor, P. E. Costello, Tacony, Pa.

Hancock St., w s, s Somerset Ave., one-st'y machine-shop; builders, Wm. Steele & Son, 506 Walnut St.

Main St., s Jackson St., one-st'y smith-shop; builders, Wm. Steele & Son, 506 Walnut St.

Canby St., bet. Twelfth and Thirteenth Sts., Jules Jenker has just torn down four small dwells. to make room for a new building.

Ontario St., cor. Broad St., one-st'y brick building; owner, The Masonic Home; builder, Joseph Bird.

Tioga St., s w cor. Tulip St., four-st'y mill; owner, Wm. Abbott, 1342 North Front St.

Keystone St., w s, n Tyson St., one-st'y storehouse; owner, George W. Wells, on premises.

Mill St., s s, w from Orchard St., two-st'y foundry; owners, Glover Bros., 4709 Leiper St.

Vincent St., w s, n Buttonwood St., four-st'y machine-shop; contractor, Charles Auchter, 1523 North Twenty-seventh St.

Wingohocking St., n s, w Fifteenth St., one-st'y club-house; contractor, P. F. Yost, 1721 Dounton St.

(*Continued on page* xxiv.)

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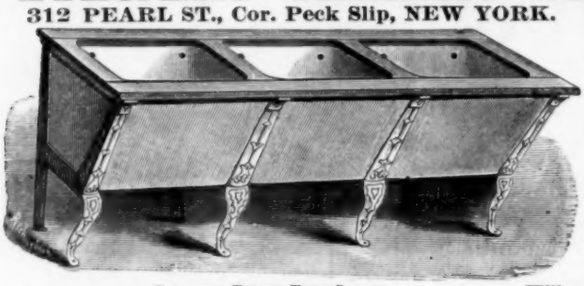

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Mervine St., e s, n Oxford St., two-st'y mill; contractor, Charles Auchter, 1523 North Twenty-seventh St.

Sixty-second St. and Woodland Ave., one-st'y eating-house; owner, W. B. Kennedy.

State St., w Longshore St., fire-house and police-station; contractor, T. A. Amaveg, Lucas Building.

Fifteenth St., s e cor. Green St., two-st'y conservatory; contractors, George F. Payne & Co., 401 South Juniper St.

Gowen Ave., cor. Ardleigh Ave., two-st'y parish-building; contractors, A. H. Williams' Sons, 402 Tenor Pl.

Chestnut St., No. 4037, two-st'y laundry; owner, Sara B. Frances, 4037 Chestnut St.

Winona St., rear, w Morris St., two-st'y shop; owners, Real Estate Improvement Co., 331 West Chelten Ave.

Geisler St., e s, s Mercer St., one-st'y dye-house.

Vine St., w Twenty-second St., three-st'y shop; contractor, W. L. Atkinson, 2214 Wallace St.

Thirty-first St., e s, s Spruce St., one-st'y storehouse; owners, Allison Manufacturing Co., Thirty-third and Walnut Sts.

McKean St., s s, w Ninth St., engine and boiler house; owners, Burt Bros., 2000 South Ninth St.

St. Mary St., n s, e Eighth St., two-st'y shop; contractor, Edwin Ward, 747 South Tenth St.

Second St., w s, n Somerset St., weave-room; contractor, John M. Anderson, 1321 South Eighteenth St.

Knorr St., s s, e Hagerman St., wagon-house; owner, Jas. D. Ayres, Tacony.

Meeting House Lane, s Girard Ave., smith-shop; owner, Benjamin R. Supple, 530 North Fifty-third St.

Rochester, N. Y.—Brick business block, cor. Brown and Frank Sts.; owner, W. B. Cooper; architects, Otis & Crandall.

St. Louis, Mo. — Two-st'y brick Private Surgical Institute; cost, $10,000; owner, Dr. H. T. Tuholske; contract, sublet.

Two-st'y brick carriage shop; cost, $3,000: owner, Frank A. Kwzicke; contractor, Fred Busche.

West Chester, Pa. — The Trustees of the West Chester State Normal School will build a two-st'y stone annex building next spring; cost, about $18,000.

PROPOSALS.

PROPOSALS FOR IRON-WORK. Office of Building for Library of Congress, No. 145 East Capitol Street, Washington, D. C., January 15, 1891. Sealed proposals for furnishing, delivering and putting in place complete the wrought-iron frame and cast-iron Bower-Barffed work for the three main book-stacks for the Building for the Library of Congress, in this city, will be received at this office until 2 o'clock P. M. on Tuesday, the 17th day of February, 1891, and opened immediately thereafter in presence of bidders. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application at this office. BERNARD R. GREEN, Superintendent and Engineer. 788

January 5, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until — o'clock P. M. on the 29th day of January, 1891, for all the labor and materials required, and fixing in place complete, the low-pressure, return-circulation, steam-heating and ventilating apparatus required for the United States Court-house, Post-office, etc., building at San Antonio, Texas, in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at San Antonio, Texas. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time herein stated for the opening of the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-pressure, Return-circulation, Steam-heating and Ventilating Apparatus for the United States Court-house, Post-office, etc., building at San Antonio, Texas," and addressed to JAS. H. WINDRIM, Supervising Architect. 786

January 6, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 24 day of February, 1891, for all the labor and materials required to fix in place complete the low-pressure, return-circulation, steam-heating apparatus, high-pressure steam-boiler, etc., boiler-house, coal-vault, etc., for the United States Appraiser's Stores building at St. Louis, Mo., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at St. Louis, Mo. Each bid must be accompanied by a certified check for $500. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposal must be enclosed in an envelope sealed and marked "Proposal for a Low-pressure, Return-circulation, Steam-heating Apparatus, etc., for the United States Appraiser's Stores building at St. Louis, Mo.," and addressed to JAS. H. WINDRIM, Supervising Architect. 786

PROPOSALS FOR CAST-IRON DOOR AND WINDOW FRAMES AND WASHBOARDS. Office of Building for Library of Congress, No. 145, East Capitol Street, Washington, D. C., December 30, 1890. Sealed proposals for furnishing, delivering and putting in place complete the cast-iron frames, casings and trimmings for doors, windows and washboards in the basement and first story, and the cast-iron frames for doors and windows in the cellar of the building for the Library of Congress, in this city, will be received at this office until 2 o'clock P. M. on Wednesday, the 4th day of February, 1891, and opened immediately thereafter in presence of bidders. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application at this office. BERNARD R. GREEN, Superintendent and Engineer. 786

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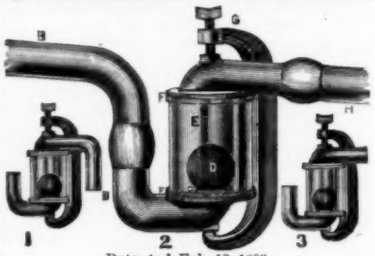

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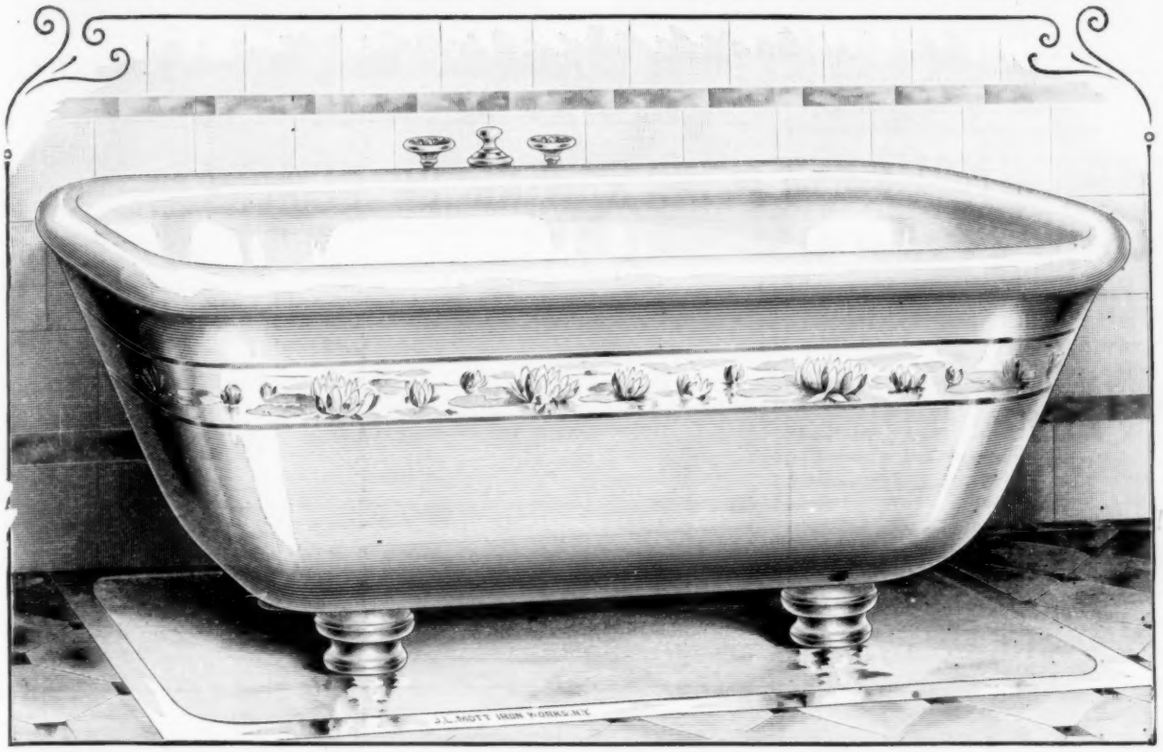

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[See Alphabetical Index on page VII for Pagination.]

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[Advertisers can be indexed only under a single head free of charge].

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Queen & Co., Philadelphia, Pa.

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Wehn Pavement Co., New York, N. Y.....(cow)

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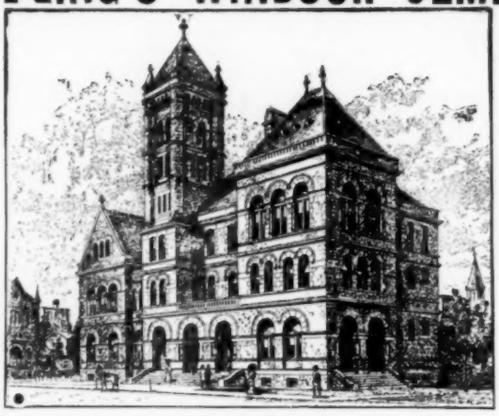

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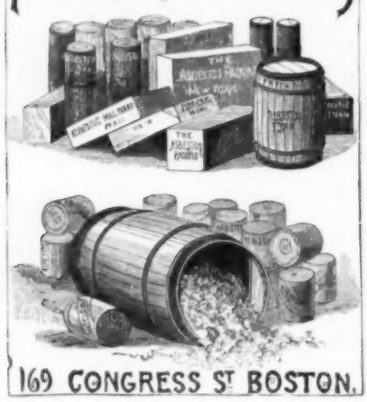

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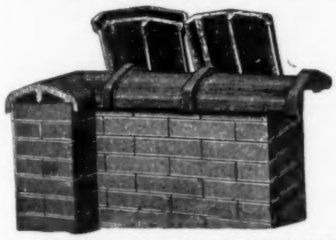

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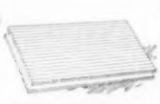

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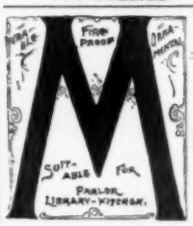

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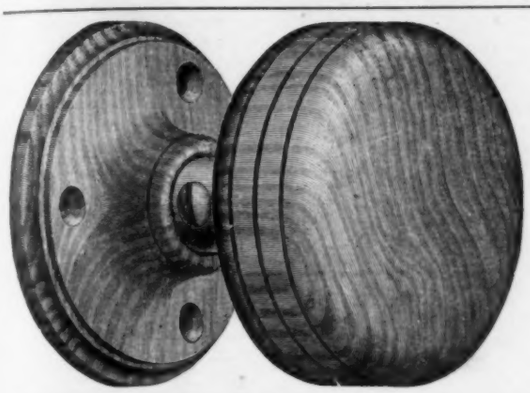

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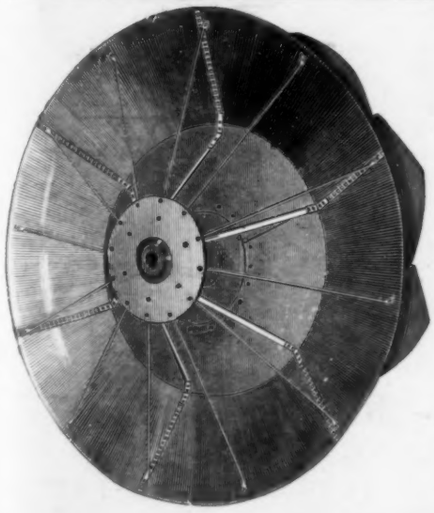

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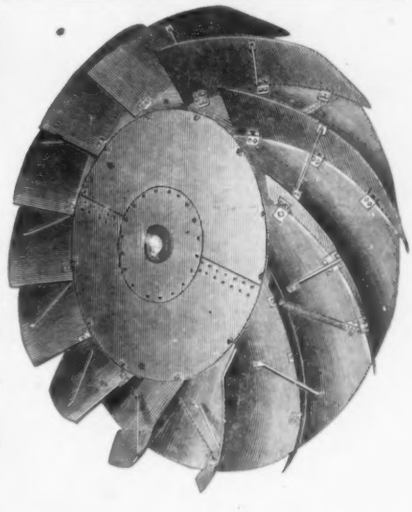

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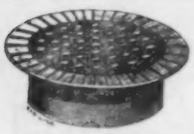

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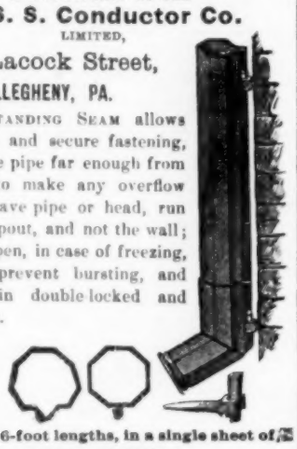

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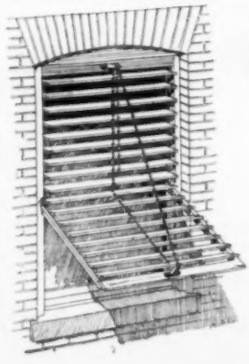

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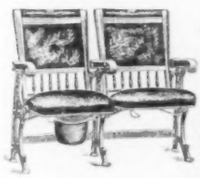

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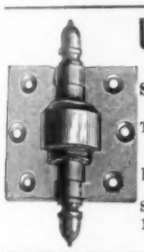

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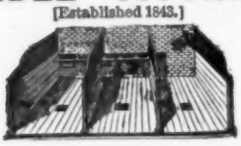

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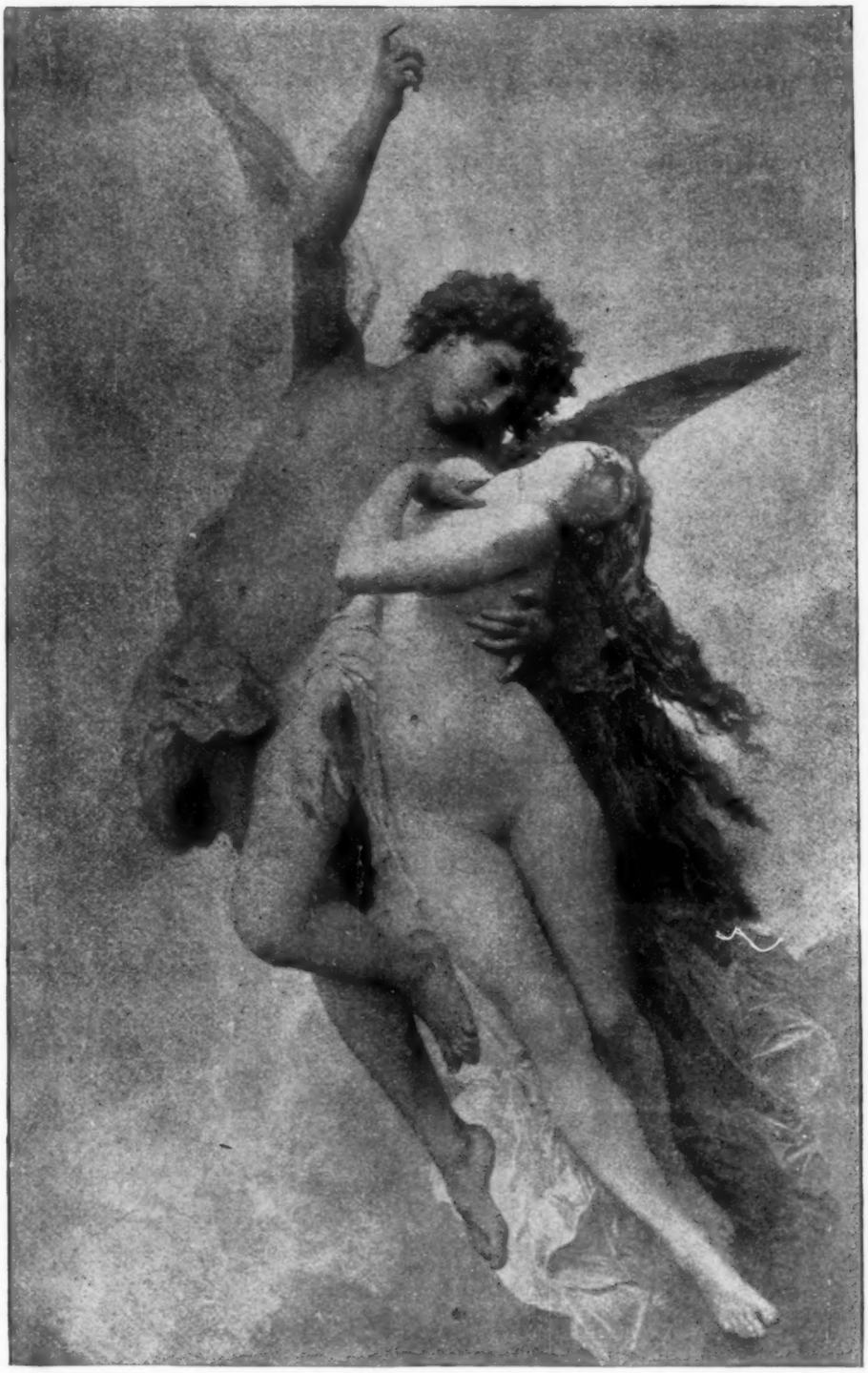
Reported for the American Architect and Building News.

BRICK.—₱ M.	New York. (Wholesale Prices.)	Boston. Prices to Builders and Contractors.	Chicago.	Philadelphia.
Common: *Cargo afloat.*				In Yard.
Pale	3 00 @ 3 50	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 9 00
Jersey	5 00 @ 6 00	Bay State Hard 9 00 @ 10 00		" @ 7 00
Long Island	5 75 @ 6 00			Salmon @ 5 00
Up River	5 50 @ 6 25			Sq. " @ 00
Haverstraw Bay 2nd	6 00 @ 6 50	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Light Stretchers @ 10 00
" 1st	6 50 @ 6 75	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Medium " @ 12 00
Hollow	@ 13 00	Philadelphia 40 00 @ 45 00		Red " @ 13 00
Fronts		Phila. mould 50 00 @ 80 00		Dark " @ 13 00
Croton, Brown	@ 13 00			Pressed 18 00 @ 20 00
" dark	@ 14 00	Anderson 14 00 @ 32 00		Best Paving @ 14 00
" red	@ 14 00			Second " @ 13 00
Chicago pressed (Anderson)				Third " @ 12 00
Chicago Moulded				
Baltimore	37 00 @ 41 00			
Philadelphia	23 00 @ 24 00			
Trenton	22 00 @ 23 00			
Milwaukee				
Moulded:				
Glens Falls Red Pressed	@ 37 00			
" Buff "	@ 30 00			
" " Moulded Red & Buff	45 00 @ 70 00			
Enamelled: *Imp.*				
Enamelled (edge)	85 00 @ 100 00		@ 100 00	Dom. @ 65
Enamelled (edge and end)	90 00 @ 115 00		@ 120 00	@ 85
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	1 10 @ 1 25	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co	1 05 @ 1 30	B S & Co 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra		Jonson
" " (Lagerdofer)	@ @	2 55 @ 3 0	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not Sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	11 50	9 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime
Hydraulic Lime	@ 1 45	@ 1 35		25 @ 30 ₱ bush
Chicago Lime in bulk		St. John 1 00	55 @	White Mass
Wisconsin "	@ 90	@ 1 05	60 @	1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 1 10	@ 1 10	*Not sold.*	1 00 @ 1 00
Rockland and Rockport, finish	@ 1 20	@ 1 20	*Not sold.*	
Kelley Island Lime, finish	@ 85	*Not sold.*	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 1 05	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing "	1 20 @ 1 25	1 85 @ 2 00	*Not sold.*	*Not sold*
Plaster of Paris (calcined.)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 50 @ 2 25
" (casting)	16 18	25 @ 30	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ *bush*	20 22	@ 90	20 @ 25	20 @ 25
" (Goat)	1 00 @ 1 25	1 75 @ 1 90	30 @ 55	30 @ 35
Sand, ₱ *load*		@ 60	@ 60	@ 1 50
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)				55 @ 65
Limestone:	45 @ 1 25	95 @ 1 00	50 @	
Bedford	@ 1 00		35 @ 55	75 @ 90
Joliet			35 @ 60	Richmond
Lemont		10 50 per ton	@ 1 00	75 @ 1 50
Serpentine				4 50 ₱ Perch



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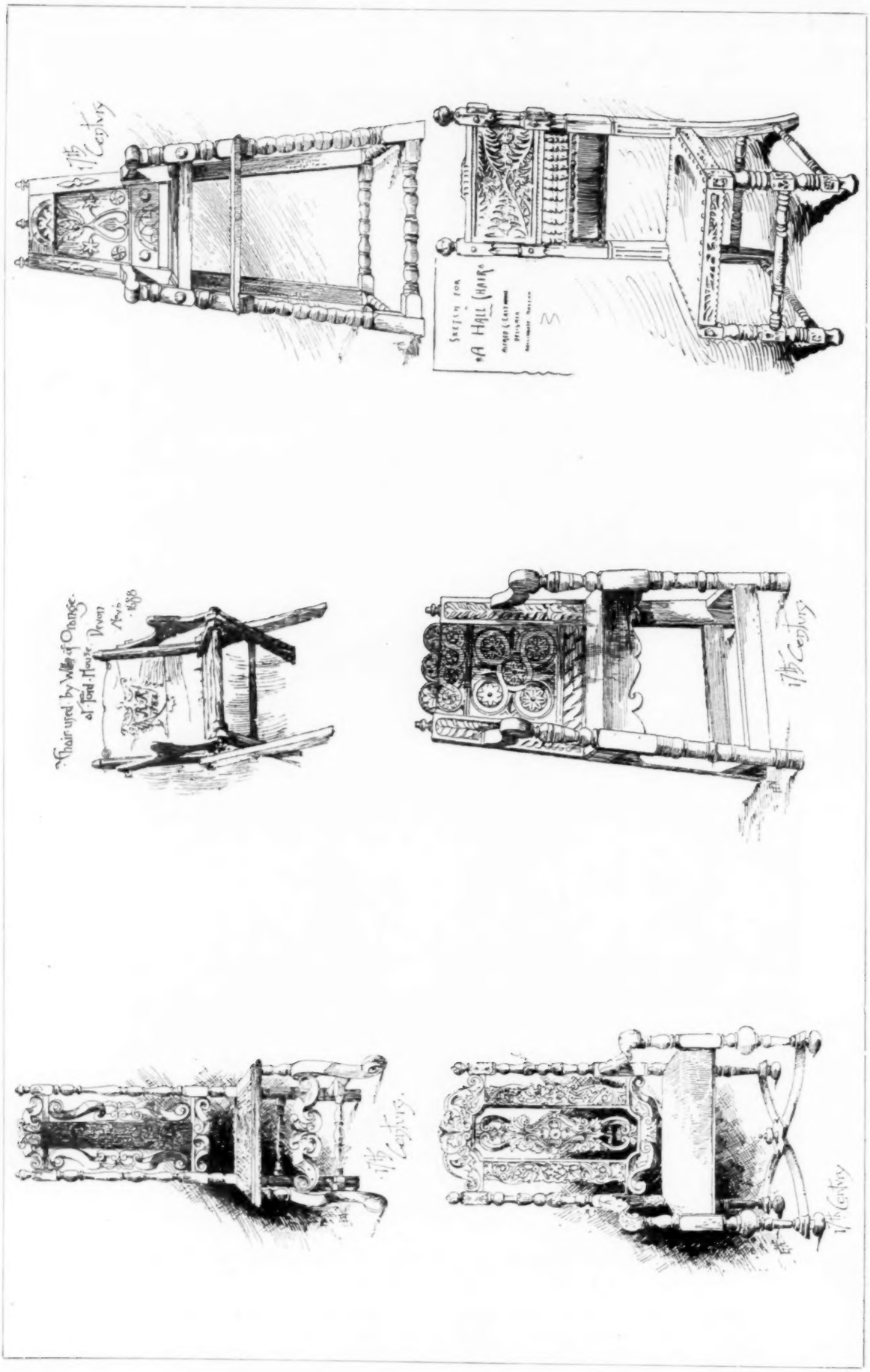
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Mortar Colors.				
Black, brown, buff ₱ lb.	@ 2½			
Colorific ₱ lb.	@ 2½			
Red	@ 3			
White ₱ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ₱ ton	20@	@ 5 00
Block	@	4 60 ₱ perch		Conshocken 1 45 @ 2 50
Rubble	@	1 25 @ 1 50	8 50 @	
Bluestone: (₱ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	75	50 @ 1 00	37 @ 50
Sandstone,				
Longmeadow	@ 80	80 @ 90		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ₱ cub. ft.	1 05 @ 1 35
Amherst, Berea, Berlin } Ohio	90 @ 95	90 @ 1 00	45 @ 55	
	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle, English	@ 1 05	@ 1 05		95 @ 1
Corse Hill (Scotch)	1 05	1 05		
Marble (₱ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not sold.*	2 00 @ 2 50
Rutland, white and Blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	@	@ 2 00	350 @ 6 00	1 70 @ 3 00
Glens Falls, black	@		*Not sold.*	4 00 @ 4 50
Italian, blue-veined	@		@ 4 40	2 50 @ 2 75
" Sienna	@		*Not sold.*	@ 5 00
Tennessee, red	@		@ 4 40	4 00 @ 6 00
" Knoxville	@		@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@		*Not sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate; Roofing (₱ *square*)				
" green	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" purple	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" red	10 00 @ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 8 85	3 25 @ 4 00
" " Chapmans	— —		7 30 @ 8 00	4 00 @ 4 65
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am. ₱ M			*Not sold.*	@ 25 00
N. Peach Bottom, warranted unfading				6 00 @ 6 75
PAINTS. (*In oil,* ₱ *lb.*)				
White lead, Am	7 @ 7½	7½ @ 7½	6½ @ 7	@ 7½
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	7½ @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermilion	65 @ 70	75 @ 80 dry	65 @ 68	Eng. 6½ @ 76
Red Indian, Eng	12 @ 20	12 @ 20	12 @ 20	@ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 14
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (₱ gal.)	52 @ 58	55 @ 56	57 @ 60	@ 60
" " boiled	54 @ 62	58 @ 59	60 @ 63	@ 64
Turpentine	39 @ 40	45 @ 46	51 @ 51	@ 44
Varnish, coach		1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac		2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	2 @	2 @ 4	02½ @	2 @ 2½
Whiting	78 @ 1 00	1 @ 1½	1 @ 1½	½ @ 1
Paris white, (Eng.,) (₱ cwt.)	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am	5½ @ 6	@ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber, "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) **Spikes,** (*wrought.*)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 50	@ 3 65	3 60 @ 4 75
Finishing nails according to size.			Add .85 to $1.15	per ₱ 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4"x 4" (₱ doz. pairs.)				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish ₱ pair.	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (for cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (₱ *Set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:		@ 8	13 @ 16	13½ @ 16
Sheet Lead		@ 7½	7	@ 6½
Lead Pipe			6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft	3 3-10 @ 3½	@ 3 1-10	3.20 @ 3.70	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance			" "	@ 2 8-10
Channel-Beams	3 3-10 @ 3½	@ 3 1-10		@ 2 8-10

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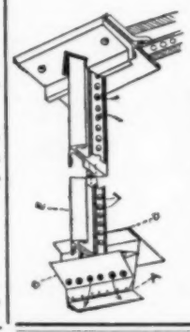

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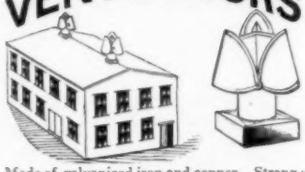

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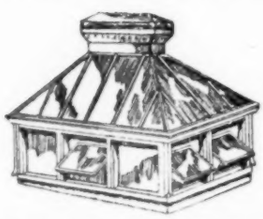

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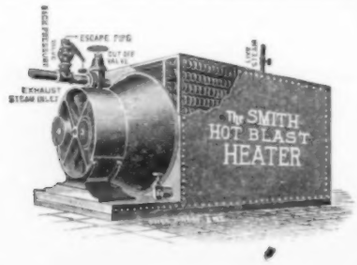

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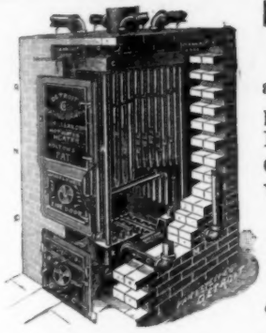

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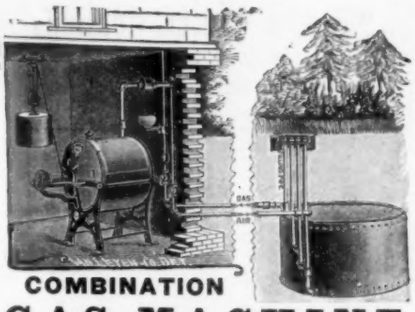

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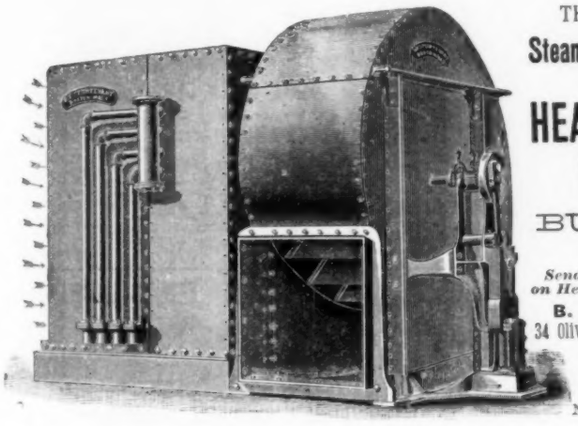

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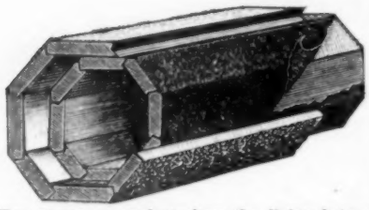

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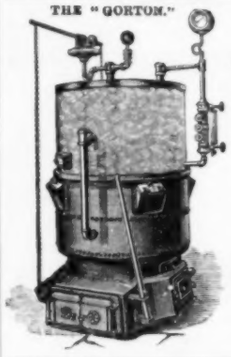

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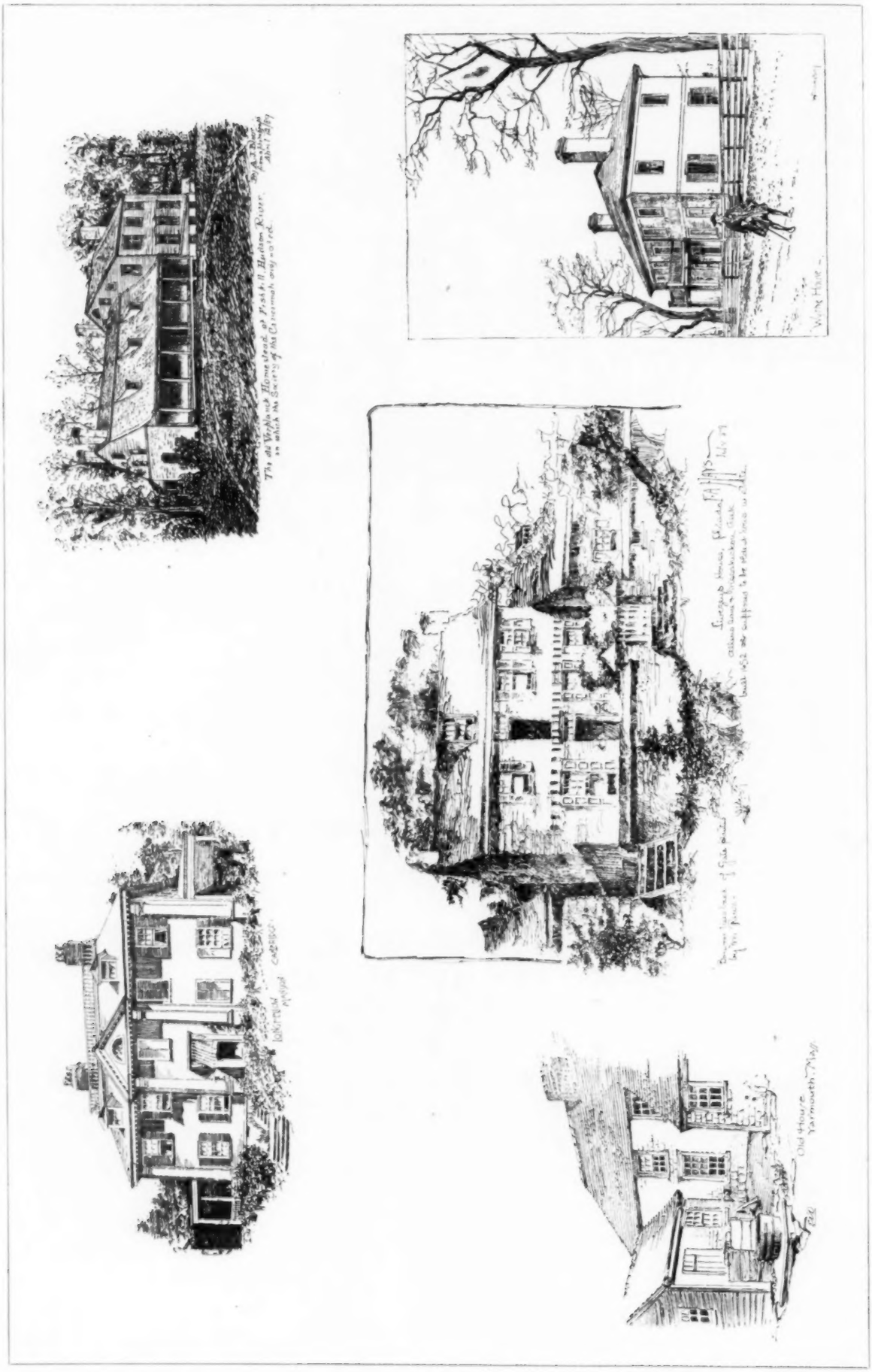

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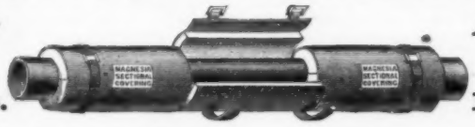

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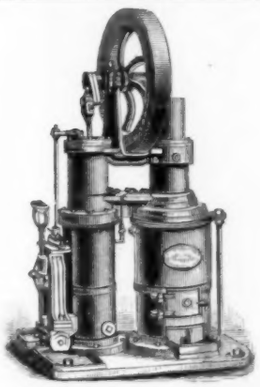

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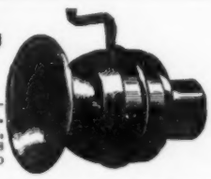

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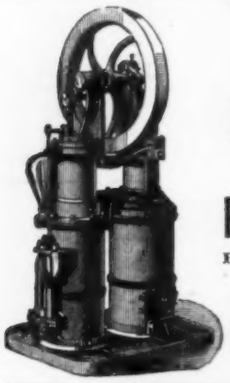

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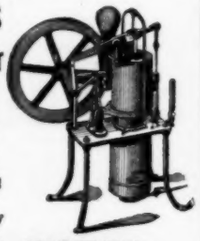

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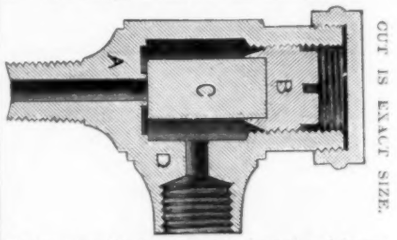

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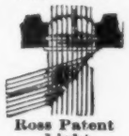
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The American Architect and Building News

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211 Tremont St., Boston, Mass.

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Advance Subscription Rates.

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New Advertisements.

MORGAN FURNITURE CO., LTD. (Buffalo, N. Y.), Grille-Work. Page xxi.
W. R. PITT (New York, N. Y.), Gates, Folding Steel. Page xvii.

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443,531. Radiator. — Jesse A. Losee, Titusville, Pa.
443,539. Bevel.—George M. Redway, Asbury Park, N. J.
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443,552. Fire-Escape.—Rolland G. Strother, Findlay, Ohio.
443,553. Saw.— Squire Taylor, Seascale, County of Cumberland, England.
443,564. Seat-Back for Water-Closets. — August F. Blesch and Jonas Herrmann, Columbus, Ohio.
443,625. Flushing Attachment for Water-Closets.—Albert Elmendorf, New London, Conn.
443,638. Door-Hanger. — Le Grand Terry, Horseheads, N. Y.
443,644. Elevator-Valve Mechanism. — Cofran I. Hall, San Francisco, Cal.
443,652-653. Rules. — Charles E. Jewell, Chicago, Ill., and Major R. Jewell, Rochester, N. Y.
443,657. Anchoring Beams to Walls and Truss and Girder Beams. — George C. Whitlock, Omaha, Neb.
443,680. Sewer-Pipe Cap.—Gustavus J. Johnson, Chicago, Ill.
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443,779. Lime-Kiln.— Charles A. Mercer, Quincy, Ill.
443,780. Lock. — Edward Y. Moore, Milwaukee, Wis.
443,783. Flush-Tank Siphon. — Oliver Mulvey, Wichita, Kan.
443,796. Transom-Lifter. — Horace B. Rowland, Philadelphia, Pa.
443,804. Scuttle Lock and Opener. — August Stamm, [illegible] York, N. Y.
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443,910. Lock.— Clement Felton, Toronto, Canada.
443,912. Automatic Fire-Extinguisher.— Wily S. Fuller, Orange, Texas.
443,945. Lock. — Washington A. Martin, Chicago, Ill.
443,952. Pipe-Stopper. — William Baguley, New York, N. Y.
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443,962. Device for Raising and Lowering Cellar-Doors.—Charles E. Golden, Oskaloosa, Kan.

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From Antwerp. — Bark "*Scotland*," 3,798 barrels cement, order. Ship "*T. F. Oakes*," 8,695 barrels cement, order.

From Bremen. — Bark "*Figaro*," 1,044 casks cement, Baetjer & Meyerstein; 1,802 casks do., order.

From Dry Harbor. — Steamer "*Dorien*," 17 pieces mahogany, order.

From Glasgow. — Steamer "*Anchoria*," 154 cases granite, W. C. Townsend; 12 cases do., Henderson Bros.

From Liverpool. — Steamer "*Wyoming*," 52 barrels bricks, order. Steamer "*England*," 40,200 blue fire-bricks, Hammill & Gillespie; 2 barrels cement, order.

From London. — Steamer "*Sorrento*," 500 casks cement, German Bank of London; 600 do., Marcial & Co.; 500 do., German Bank of London; 500 do., order.

From Newcastle. — Steamer "*Mareca*," 500 casks Portland cement, German Bank of London; 25,000 square fire-bricks, Hammill & Gillespie.

From Vera Cruz. — Steamer "*Yucatan*," 105 blocks marble, C. Oertel.

From Zaza. — Bark "*Syra*," 2,124 pieces cedar, H. W. Erichs.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

ALTERATIONS.

Boston, Mass. — *Charles St.*, alterations to Eye and Ear Infirmary; builders, Rutan & Fraser; architects, Cabot, Everett & Mead.

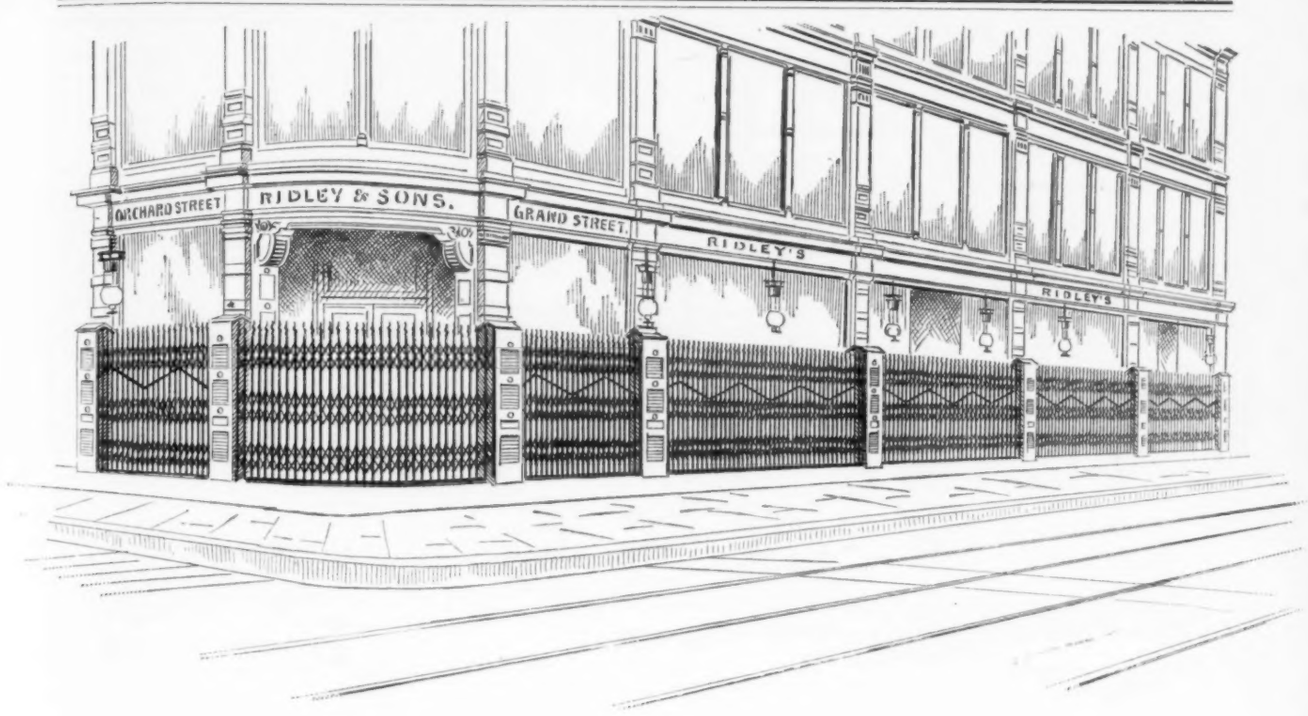
Wareham St., near Albany St., Ward 17, repair fire damage; owner and builder, J. J. McNutt.

Brooklyn, N. Y. — *Myrtle Ave., No.* 1210, three-st'y brick building, tin roof, interior and other alterations; cost, $3,500; owner, E. Hendrickson, 534 Lafayette Ave.; architect, J. W. Bailey, 66 Court St.

Harrison St., s e cor. Tiffany Pl., four-st'y brick paper factory, felt and gravel roof, four-st'y brick extension, etc.; cost, $3,000; owners, Walther & Co., on premises; architect, C. M. Detlefsen, 164 Conover St.

South Sixth St., n s, 100' w Bedford Ave., two-st'y

(*Continued on page* xix.)



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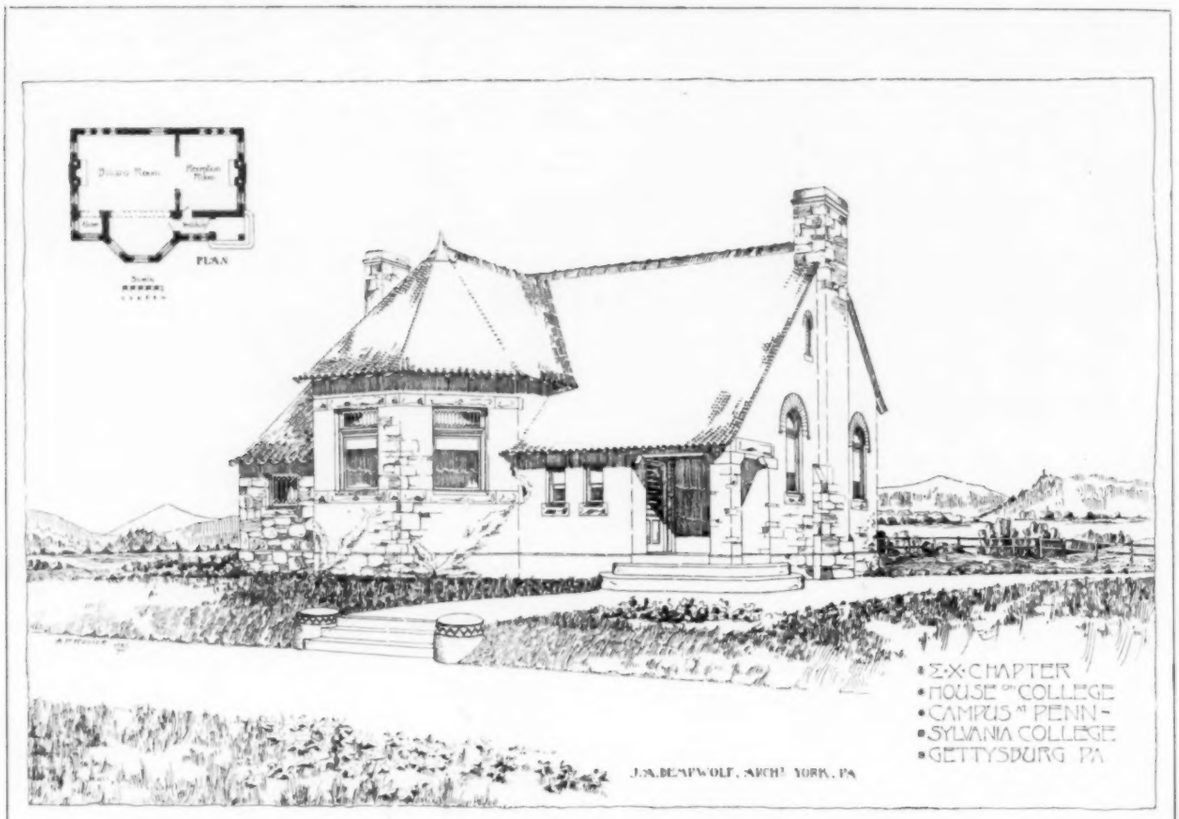
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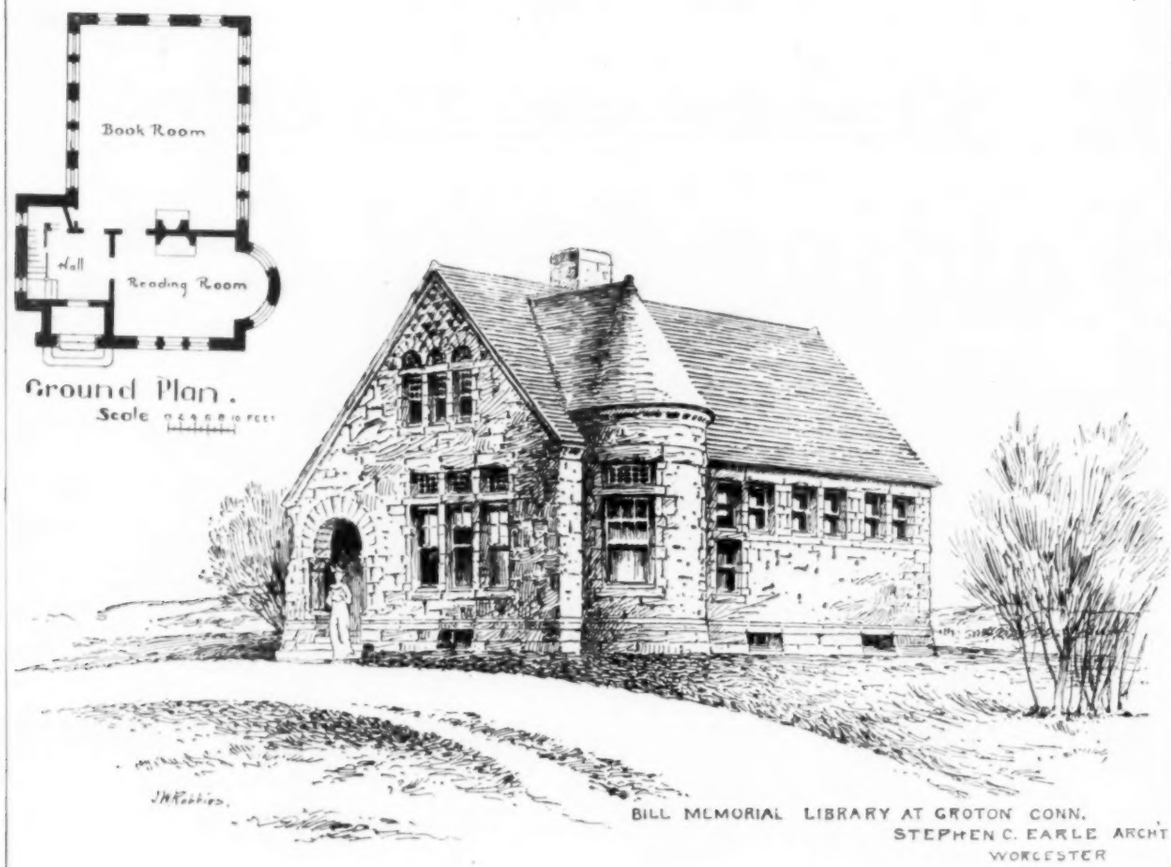
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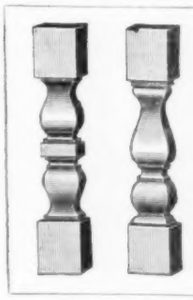

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brick storage warehouse, gravel roof, three-st'y brick extension, internal and other alterations, etc.; cost, $3,500; owner and architect, Jacob James, 84 John St., New York City.

President St., No. 392, one-st'y brick and stone Sunday-school building, zinc roof, raised one story, two-st'y brick extension and alterations, etc.; cost, $18,900; owners, rector, warden and vestry, 322 President St.; architect, J. & F. Holler, 19 Kosciusko Pl.

North First St., n e cor. Bedford Ave., three-st'y brick station-house, three-st'y brick extension, tin roof, and other alterations, etc.; cost, $4,600; owner, Department of City Works, Municipal Building; architect, R. L. Daus, 26 Court St.

Grand St., No. 682, brick store and dwell., tin roof, four-st'y brick extension, internal alterations, etc.; cost, about $3,000; owners, Fritz & Hummel, 684 Grand St.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Smith St., No. 25, three-and-one-half-st'y brick dwell., tin roof, raised one and one-half stories, two extensions and internal alterations; cost, $13,000; owner, J. H. Aschoff; builder, C. Dietrick, 23 Boerum Pl.

Sackman St., w s, 90′ s Liberty Ave., one-and-one-half-st'y frame barn, shingle roof, raised one story and internal alterations; cost, $3,000; owner, Wm. Rapelyea, Newlet Road.

Clinton Ave., No. 415, three st'y brick dwell., tin and slate roof, one-st'y brick extension, slate roof; cost, $3,000; owner, Solomon W. Johnson, American News Co.; architect, M. Thomas, 16 Court St.

Chicago, Ill.— Mary Hauslik, two-st'y addition, 2317 Fiftieth Ct.; cost, $1,500.

D. W. Bosley, two-st'y addition, 208-210 Washington St.; cost, $3,000.

A. Bru & Co., one-st'y addition, 799 Sixteenth St.; cost, $1,500.

Walter B. Wilson, two-st'y addition, 34-36 La Salle St.; cost, $60,000.

T. Carlisle, two-st'y addition, 4538 Champlain St.; cost, $1,500.

New York, N. Y.— *East Sixty-fifth St., No.* 44, four-st'y brick dwell., extension and internal alterations; cost, $4,500; owner, John A. Pinard, 49 West Eleventh St.; builder, C. W. White, 53 East Eleventh St.

Second Ave., No. 38, four-st'y brick dwell., extension; cost, $4,500; owner, Thomas Rothman, 40 Second Ave.; architect, Wm. Graul, 215 Bowery.

Pearl St., Nos. 252-254, five-st'y brick office-building, internal alterations; cost, $3,500; owner, Richard H. Bull, 34 Gramercy Park; architect, John D. Miner, 53 Fulton St.

Charleton St., s w cor. Washington Ave., three-st'y brick store, interior alterations; cost, $3,500; owner, Augustus C. Bechstein, 350 West Fifty-seventh St.; architect, R. S. Pollock, 357 West Forty-eighth St.

West Forty-second St., Nos. 130-132, 2 four-st'y brick stores, extension and internal alterations; cost, $20,000; owners, Lewis & Conger, 140-142 West Eighty-second St.; architects, F. & W. E. Bloodgood, 8 York St.

East Forty-seventh St., Nos. 403-407, two-st'y brick stable, interior alterations; cost, $3,000; owners, N. Y. Butchers' Calf-skin Association, 403 East Forty-seventh St.; architect, Charles H. Richter, Jr., 35 Broad St.

River Ave., n s, extending from Riverdale Ave. 1,200 feet, two-st'y brick stable, extension, etc.; cost, $9,000; owner, Giovanni P. Morrison, 71 Broadway; architects, D. & J. Jardine, 1262 Broadway.

West Sixteenth St., No. 312, four-st'y brick factory, internal alterations; cost, $3,500; owners, Coddington & Goodwin, 9 East Seventy-third St. and 247 Fifth Ave.; architect, Louis Adams, 217 Fifth St.

BUILDING INTELLIGENCE.

Philadelphia, Pa.— *North Broad St., No.* 1229, internal alterations and back building; owners, Gillison, Christie & Co., 1615 Catharine St.

Griscom St., No. 326, internal alteration to stable; contractors, Dahl & Kidd, 406 South Fifth St.

Elm Ave., No. 4106, alteration; contractor, F. H. Vodges, 3907 Aspen St.

Hamilton St., s s, w Twelfth St., addition to three-st'y machine-shop; contractor, Philip Haibach, Twenty-sixth and Thompson Sts.

Randolph St., w s, n Master St., one-st'y addition to storehouse; contractor, Philip Haibach, Twenty-sixth and Thompson Sts.

Fairmount Ave., No. 3705, internal and front alteration; contractor, Thos. McCollough, 3901 Fairmount Ave.

Fifty-eighth St. and Lancaster Ave., two-st'y addition to warehouse; owner, John Maguire, on premises.

North Broad St., No. 2216, front alteration and three-st'y back building; owner, Gertrude Scrochbine, 1422 Camac St.

St. Louis, Mo.— Repair store; cost, $10,000; owners, Frank Bros. contractor, Thos. Lowery.

APARTMENT-HOUSES.

Brooklyn, N. Y.— *Third St.*, n s, 220′ w Seventh Ave., four-st'y double flat, tin roof; cost, $25,000; owners, Moses & Fanton, Fourth St., bet. Sixth and Seventh Aves.; architect, George M. Miller, 420 Fifth Ave.

Eleventh St., s s, 30′ e Eighth Ave., 5 three-st'y brick flats, tin roofs; cost, $5,000 each; owners, Norris & Co., 358 Twelfth St.; architect, A. V. B. Norris, 358 Twelfth St.

Eighth Ave., e s, 82′ s Eleventh St., three-st'y brick flat, tin roof; cost, $5,000; owners, Norris & Co., 358 Twelfth St.; architect, A. V. B. Norris, 358 Twelfth St.

Chicago, Ill.—Mrs. E. Kingman, three-st'y flats, 2940 Lake Park Ave.; cost, $8,000.

John Hottendorf, two-st'y flats, 6809 Emerald Ave.; cost, $2,200.

J. T. Conick, two-st'y flats, 5608 School St.; cost, $2,300.

August W. Swanson, two-st'y flats, 5746 Atlantic St.; cost, $1,800.

Fred Kurth, two-st'y flats, 919 Roscoe St.; cost, $2,000.

Jacob Rodalz, three-st'y flats, 110 Fourth Ave.; cost, $4,000.

Mrs. Ida M. McGee, two-st'y flats, 531 South Sacramento Ave.; cost, $4,000.

E. Olsen, 2 two-st'y flats, 8228-32 Weddell Ave.; cost, $3,000.

M. Wolf, two-st'y flats, 313 Armitage Ave.; cost, $3,000.

Wecker & Birk Brewing Co., two-st'y flats, 353 Illinois St.; cost, $1,500.

New York, N. Y.— *One Hundred and Fifth St.*, n s, 100′ e Second Ave., 4 five-st'y brick flats, tin roofs; cost, $72,000; owner, Matthew Coogan, 422 East One Hundred and Fifteenth St.; architects, Cleverdon & Putzell, 529 Broadway.

One Hundred and Thirty-fourth St., n s, 150′ e Seventh Ave., 2 five-st'y brick flats, tin roofs; cost, $30,000; owner, Leopold Kahn, 369 West One Hundred and Twenty-third St.; architect, B. Fischer, 2285 Seventh Ave.

Pitt St., No. 51, four-st'y brick flat, tin roof; cost, $20,000; owner, F. Weintraub, 140 Rivington St.; architect, Fred Ebeling, 3 First Ave.

West Thirty-fifth St., No. 128, five-st'y brick and stone flat; owner, B. A. Ayerigg; architect, Daniel Burgess.

Madison Ave., n e cor. One Hundred and Third St., 4 five-st'y brick, stone and terra-cotta flats; cost, $83,000; owner, C. A. Bonewell.

One Hundred and Second St., s s, 300′ w Columbus Ave., 5 five-st'y brownstone front flats; cost, $100,000; owner, Thomas F. McGuire; architect, J. W. Cole.

One Hundred and Thirteenth St., s s, 100′ e Fifth Ave., 4 five-st'y buff brick flats; cost, $118,000; owner, John S. Scott; architect, John C. Burne.

Lenox Ave., e s, 75′ n One Hundred and Seventeenth St., 2 seven-st'y brick and stone flats; owner, Frederick Aldhouse; architect, John C. Burne.

CHURCHES.

Brooklyn, N. Y.— *Bushwick Ave.*, s w cor. Jefferson St., brick church, slate roof; cost, $56,500; owner German Evangelical Lutheran St. Mark's Church, Evergreen Ave. and Jefferson St.; architect, Th. Engelhardt, 905 Broadway.

Camden, N. J.— *Eighth and Sycamore Sts.*, two-st'y brick church; owner, Union Congregational Church.

Temple, Texas.— A church, to cost $30,000, will be built by the Catholics.

FACTORIES.

Brooklyn, N. Y.— *Smith St.*, w s, from Halleck to Sigourney Sts., 2 three-st'y brick buildings, factory and boiler-house, gravel roof; cost, about $60,000; owner, W. H. H. Childs, 73 Maiden Lane, New York City; architects, Drew, Baldwin & Co., 45 Broadway, New York City.

Kingsland Ave., s e cor. Meeker Ave., two-st'y brick fireworks factory; cost, $15,000; owner, Chas. E. Sackett, Danbury, Conn.; architect, Fred Weber, 211 Manhattan Ave.

South Fourth St., s w cor. Wythe Ave., six-st'y brick candy-factory, gravel roof; cost, $30,000; owner, Albert Green, Duane St., New York City; architect, Wm. H. Beers, *Tribune* Building, New York City.

Camden, N. J.— *Broadway*, cor. Jefferson St., four-st'y brick factory; owner, Charles Johnson.

Cincinnati, O.— Anchor Buggy Co., four-st'y factory, C. H. & D. R. R.; cost, $5,000; architects, G. & A. Brink.

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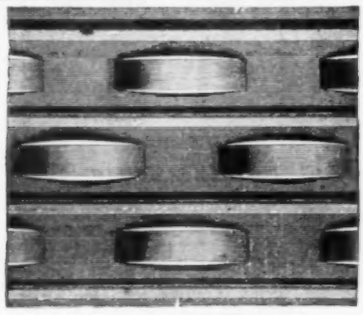
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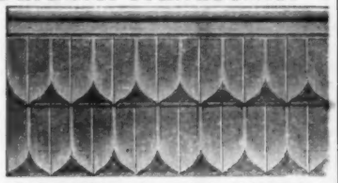
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Detroit, Mich.—Martin Scholl & Sons, two-st'y brick manufactory, 365 Twenty-first St.; cost, $6,000.

J. E. Bolles & Co., three-st'y brick manufactory, 1312-1330 Second Ave.; cost, $20,000.

New York, N. Y.—*Broad St., Nos.* 124-126, three-st'y brick factory, gravel roof; cost, $4,500; owners, R. & O. Goelet, 9 West Seventeenth St.; architect, Isaac Hall, 124 Broadway.

Bayard St., No. 68, six-st'y brick factory, tin roof; cost, $26,000; owner, P. Herter, Greenville, N. J.; architects, Herter Bros., 191 Broadway.

St. Louis, Mo.—Three-st'y factory; cost, $15,000; owners, Lungstras & Co.; contractor, E. C. Jamieson.

Two-st'y brick factory; cost, $5,000; owner, Peter White; contractor, M. Dunn.

HOUSES.

Baltimore, Md.—Thos. F. Locke, 31 two-st'y brick buildings, w s Calhoun St.; 3 two-st'y brick buildings, n s Riggs Ave.; and 2 two-st'y brick buildings, s s Winchester St.

Wm. H. Dashields, 2 two-st'y brick buildings, w s Battery Ave., bet. West and Clement Sts.

F. C. Heighe, 3 three-st'y brick buildings, w s Park Ave., bet. Madison and Richmond Sts.

J. Fahey, three-st'y brick building, w s Arlington Ave., rear n w cor. Pratt St.

John O'Neall, 2 three-st'y brick buildings, s s Huntington Ave., cor. Falls Alley.

Boston, Mass.—*North Harvard St.*, near Cambridge St., Ward 25, frame dwell., 28′ x 45′; owner, F. H. Coolidge; builder, C. H. Hampton.

Bartlett St., No. 88, Ward 4, three-st'y frame dwell., flat roof, 22.6′ x 56′; owner and builder, W. A. Grover.

Buchanan St., near South St., Ward 23, 2 three-st'y frame dwells., flat roofs, 21.6′ x 28′; owner and builder, J. A. Burnham.

Holborn Ct., off Holborn St., Ward 21, frame dwell., 23′ x 59.6′; owner, Thomas Parker; builder, J. McNamara.

Lawrence Ave., near Magnolia St., Ward 24, two-st'y frame dwell., hip roof, 37.6′ x 39.4′; owners, Jamieson Bros.; builder, I. Barham.

Wales St., near Harvard St., Ward 24, frame dwell., 43.4′ x 46′; owner, Mary E. Woods; builders, Ourish & Rich.

Milton Ave., near Armandine St., Ward 24, frame dwell., 24′ x 33′; owner, E. M. Cummings; builder, F. Cummings.

Bullard St., near Rossiter St., Ward 24, frame dwell., 25′ x 32′; owner and builder, G. L. Davidson.

Laurel St., No. 12, Ward 24, frame dwell., 14′ x 41.6′; owner and builder, E. C. Benson.

Arlington St., near Market St., Ward 25, frame dwell., 22′ x 27′; owner, Patrick Burns; builder, James Muldoon.

Washington St., No. 2658, Ward 21, two-st'y frame dwell. and store, 25.6′ x 46′; owner, James Doyle.

East Second St., cor. O St., Ward 14, three-st'y frame dwell. and store, flat roof, 25′ x 72′; owner, J. H. White; builders, H. S. & N. Clark.

Brooklyn, N. Y.—*Stone Ave.*, e s, 100′ s Sutter Ave., 4 two-st'y frame dwells., tin roofs; cost, $2,000 each; owner, Oscar W. Velsor, Hempstead, L. I.

Ralph St., n s, 100′ e Evergreen Ave., 5 three-st'y frame dwells., tin roofs; cost, $23,500; owner, Marie Kaiser, 28 Harman St.; architect, Frank Holmberg.

Atlantic Ave., n s, 135′ w Nostrand Ave., four-st'y brick dwell., felt and gravel roof; cost, about $12,000; owner, R. O. Frost, 885 Butler St.; architect, Samuel Curtiss, 5-7 Court Square.

Eckford St., e s, 86½′ n Van Cott Ave., 3 three-st'y frame dwells., gravel roofs; cost, $5,500 each; owners, Morris & Nisbett, 129 Manhattan Ave.; architect, P. Tillion, 202 Manhattan Ave.

Hart St., n s, 100′ w Bushwick Ave., three-st'y frame dwell., tin roof; cost, $4,000; owner, Mrs. A. Glück, 344 Hart St.; architect, Frank Holmberg, 1161 Broadway.

Chicago, Ill.—Steele & Coogan, cottage, 60 North Halsted St.; cost, $1,400.

Mrs. Sarah J. Hewes, three-st'y dwell., 2428 Indiana Ave.; cost, $5,000.

J. S. H. Johnson, two-st'y dwell., 792 Washtenaw Ave.; cost, $5,500.

Adolph Anderson, cottage, Ashland Ave., near Franklin St.; cost, $1,800.

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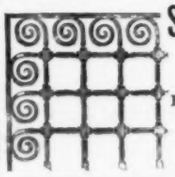

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George W. Perkins, two cottages, 1017-19 Fourth Ave.; cost, $2,000.

Rev. E. G. Hirsch, three-st'y dwell., 3612 Grand Boulevard; cost, $12,000.

George Erickson, cottage, 2659 Washington Boulevard; cost, $2,000.

Charles Lobdell, 2 two-st'y dwells., 3859 Lake Ave.; cost, $25,000.

Walker & Johnson, 3 two-st'y dwells., 306-310 Forty-ninth St.; cost, $13,000.

F. B. McKinney, two-st'y dwell., 1074 Francis St.; cost, $1,600.

John Stanton, three cottages, 5223-27 Emerald Ave.; cost, $2,700.

R. Smith, 2 two-st'y dwells., Green and Seventy-eighth Sts.; cost, $11,800.

Adolph Christiansen, cottage, Jefferson and Armitage Sts.; cost, $1,200.

M. E. Skinner, two-st'y dwell., 1272 Wright St.; cost, $1,400.

Eugene Hutchins, three-st'y dwell., 133 Astor St.; cost, $8,000.

Cincinnati, O. — C. N. Camp, two-st'y dwell., Brown St.; cost, $2,500; architect, Wm. Miller.

John Kolbe, double two-and one-half-st'y dwell., Gilbert Ave.; cost, $6,500; architect, Dan Segar, Covington, Ky.

F. & A. Weber, owners and architects, 8 two-and-one-half-st'y dwells., Chase Ave.; cost, $14,400.

Andrews & Sutherland, owners and architects, 5 two-st'y dwells., Fulton Ave.; cost, $7,000.

Wm. Rendigs, two-and one-half-st'y dwell., State St.; cost, $5,800; architect, Seppel, N. Y.

Mrs. Cook and Mrs. Gallico, double two-and-one-half-st'y dwell., Myrtle Ave.; cost, $9,000; architect, L. Plympton.

Leopold Feiss, two-and-one-half-st'y dwell., Grand View Ave.; cost, $13,000; architect, S. S. Godley.

BUILDING INTELLIGENCE.

F. Von Der Hone, three-and-one-half-st'y dwell., Third St.; cost, $2,500; architects, G. & A. Brink.

Samuel Rohrer, one-and-one-half-st'y dwell., Grand Ave.; cost, $2,500; architect, J. H. Steinbecker.

Mrs. J. Meyers, two-and-one-half-st'y dwell., Bates Ave.; cost, $2,500; architect, Geo. B. Payne.

Bofinger & Hopkins, two-and-one-half-st'y dwell., McGregor St.; cost, $3,500; architect, Wm. Nickles.

Mary Theiving, 4 two-and-one-half-st'y dwells., Powers St.; cost, $6,000; architect, A. J. Theiving.

A. Hunt, two-and-one-half-st'y dwell. and store, Shillitto Ave.; cost, $5,000; architect, W. C. Laruce.

C. W. Ernest, owner and architect, two-st'y dwell., Graydon Ave.; cost, $3,000.

McMannar & Conner, owners and architects, two-st'y dwell., Darrell Ave.; cost, $5,000.

Julia Splain, three-and-one-half-st'y dwell., Hatch St.; cost, $3,000; architect, Henry Ballman.

New York, N. Y. — *East Twenty-first St., Nos.* 232-426, 4 five-st'y brick dwells., tin roofs; cost, $52,000; owner, Charles Ruff, 228 East Tenth St.; architects, Schneider & Herter, 48 Bible House.

Seventy-sixth St., n s, 200′ w Ninth Ave., 5 four-st'y brick dwells., tin roofs; cost, $100,000; owners, Breen & Nason, 341 East Fifty-ninth St.; architects, A. B. Ogden & Son, 1031 Madison Ave.

Eightieth St., n s, 387′ w Ninth Ave., 3 four-st'y brick dwells., mansard tin roofs; cost, $45,000; owners, Giblin & Taylor, 143 West Eightieth St. and 45 West Ninetieth St; architect, George A. Bagge, 1703 Second Ave.

Philadelphia, Pa. — *Snyder Ave., No.* 740, two-st'y dwell.; owner, Jas. H. Eltonhead, 742 Snyder Ave.

Mercy St., s s, w Front St., 28 two-st'y dwells.; owner, J. J. Cassidy, Moyamensing Ave. and McKean St.

Lebanon St., n s, e Sixty-third St., two-st'y dwell.; contractor, N. J. Seger, Sixty-seventh St. and Haverford Ave.

Maury St., n s, n Lyceum Ave., three-st'y dwell.; owner, Walter Rowland, 469 Martin St.

BUILDING INTELLIGENCE.

Woodland Ave., e s, s Fifty-fifth St., two-st'y dwell.; owners, Mowry Bros., 1236 South Fifteenth St.

Susquehanna Ave., s s, e Tenth St., 11 two st'y dwells.; owner, Jno. M. Sharp, 1936 South College Ave.

Susquehanna Ave., s s, w Twenty-sixth St., 6 three-st'y dwells.; owner, A. Guenther, Sedgley Ave. and Diamond St.

Twenty-seventh St., e s, s Susquehanna Ave., 3 three-st'y dwells.; *Twenty-seventh St.*, e s, s Susquehanna Ave., 7 three-st'y dwells.; owner, A. Guenther, Sedgley Ave. and Diamond St.

Darien St., e s, n Somerset St., 31 two-st'y dwells.; owner, John M. Sharp, 1936 South College Ave.

Fifth St., e s, n Poplar St., three-st'y dwell.; contractor, Wm. H. Martin, 2106 Manakin St.

Chew St., s s, e Stenton Ave., 9 two-st'y dwells.; owner, John C. Riley, 237 Price St.

Eighth St., e s, s Clearfield St., 7 two-st'y dwells.; owner, M. L. Heist, 816 West Lehigh Ave.

Potter St., e s, s Clearfield St., 27 two-st'y dwells., owner, John Maghan, Sixty-fifth St. and Limekiln Pike.

Eighth St., s e cor. Cambria St., three-st'y dwell. and store; contractor, M. L. Heist, 816 West Lehigh Ave.

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Darien St., e s, n Somerset St., two-st'y dwell. and store; owner, Jno. M. Sharp, 1936 South College Ave.

Marston St., e s, n York St., 10 two-st'y dwells.; owner, John H. Poit, s e cor. Nineteenth and Clarence Sts.

Carlisle St., e and w s, n Clearfield St., 16 two-st'y dwells.; owner, George V. Gunn, 1203 West Lehigh Ave.

Herman St., s s, e Twenty-ninth St., 3 two-st'y dwells.; contractor, Isaac Scales, 2519 North Twenty-third St.

Somerville, Mass. — *Lee St.*, frame dwell., 23′ x 30′, with L, 14′ x 18′; owner, Annie L. Fletcher; builder, W. K. Fletcher.

Skehan St., frame dwell., 22′ x 32′; owner and builder, Alfred S. Sorenson.

Sydney St., frame dwell., 20′ x 28′; owners and builders, Pickering & Co.

Nashua St., frame dwell., 30′ x 34′; owner and builder, James Hayden.

Warwick St., frame dwell., 20′ x 26′, with L, 5′ x 16′; owner, Mary Allen; builder, Thomas Allen.

St. Louis, Mo. — Three two-st'y brick dwells.; cost, $12,000; owner and contractor, Pierrie Nagel.

Two-st'y brick dwell.; cost, $2,500; owner, Wm. Jobson; contractor, J. W. Clark.

Two two-st'y brick dwells.; cost, $5,000; owner, Jos. Luchs; contractor, Charles A. Miller.

Roofing Materials.

EVERY VARIETY OF
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BUILDING PAPER,
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Water-proof and Inodorous Papers, Plain and Corrugated Carpet Linings, Deadening Felts, Roofing Materials, Tarred Board, etc.
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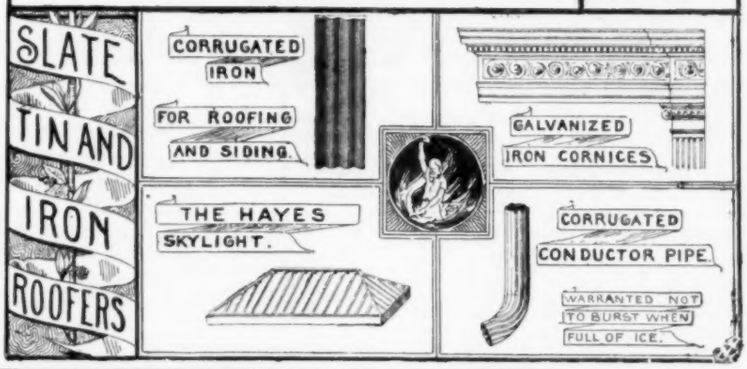

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JAMES B. SCOTT & CO.,

Pittsburgh, Pa.

BUILDING INTELLIGENCE.

Two-st'y brick dwell.; cost, $4,000; owner, Charlotte Young; contractors, Caugh & Mackey.

Two-st'y brick dwell.; cost, $3,300; owner, Wm. White; contractor, W. L. Balson.

Two-st'y brick dwell.; cost, $3,500; owner, F. Wacha; contractor, J. B. Westermayer.

Two-st'y brick dwell.; cost, $5,000; owner, H. Waldemeyer; contractor, E. Paulus.

Two-st'y brick dwell.; cost, $2,800; owner and contractor, G. M. Roeder.

Two-st'y brick dwell.; cost, $6,500; owner, M. C. Green; contractor, F. S. La Barge.

Two-st'y brick dwell.; cost, $4,000; owner, Thos. Kutzeman; contractors, Boswell & Meyer.

Three-st'y frame dwell.; cost, $5,000; owners and contractors, J. B. La Barge & Co.

Two-st'y brick dwell.; cost, $3,800; owner, E. S. Ralderer; contractor, John Wagner.

Two-st'y brick dwell.; cost, $6,000; owner, A. W. Caor.

Two-st'y brick dwell.; cost, $4,500; owner, F. W. Doepke; contractor, C. Greim.

Two-st'y brick dwell.; cost, $2,500; owner and contractor, J. C. Newberry.

Two-st'y brick dwell.; cost, $4,800; owners, St. Louis Mutual House-Building Co.; contractor, C. G. Ewing.

Two-st'y brick dwell.; cost, $8,000; owner, John Carroll; contractor, P. J. Moynihan.

Three-st'y brick dwell.; cost, $6,300; owner, Mrs. C. Douglas; contractor, A. Johnson.

Two-st'y and mansard brick dwell.; cost, $2,600; owner, G. Schwartz; contractor, J. H. Herkenhof.

Two-st'y brick dwell.; cost, $5,000; owner and contractor, W. H. Frantz.

Two-st'y brick dwell. and store; cost, $8,000; owner, Mrs. Nora Murphy; contractor, W. H. Clemens.

Worcester, Mass. — *Union Ave.*, three-st'y frame dwell.; owner, F. Smith; contractor, Wm. Powers.

Assonet St., three-st'y frame dwell.; owner, P. Wall; day-work.

Chandler St., two-st'y frame dwell.; owner, J. E. Day; contractor, George H. Sawin.

Cottage St., two-st'y frame dwell.; owner, J. B. Lavign; contractor, F. Schiner.

Sever St., two-and-one-half-st'y brick and stone dwell.; owner, Wm. Maynard; builder, A. M. Kelley; architects, Fuller & Delano.

Vernon St., three-st'y frame dwell.; owner, J. Hennessy; architect, W. H. Harvey; day-work.

Pleasant St., two-st'y frame dwell.; owner, C. E. Richardson; contractor, R. T. Thayer.

Belmont St., frame dwell.; owner, R. C. Tiffany; contractor, C. M. Claffin.

Baker St., frame dwell.; owner and contractor, C. A. King.

Orient St., three-st'y frame dwell.; owner, Omer Davis; contractor, Levi Harper.

OFFICE-BUILDINGS.

New York, N. Y.—*West Twenty-third St.*, Constable Bros., 151 Broadway, have plans under way for office-building and studios.

Dey St., Nos. 8-12, eleven-st'y brick office-building, concrete and asphaltum roof; cost, $150,000; owners, Western Union Telegraph Co., 195 Broadway; architect, H. J. Hardenburgh, 10 West Twenty-third St

St. Louis, Mo.—Two-st'y brick office; cost, $2,900; owner, F. J. Lutz; contractor, A. Dietz.

RAILROAD-BUILDINGS.

Baltimore, Md. — The Northern Central R. R. Co. will build a stone and brick elevator, n s Monument St., bet. Jones Falls and Buren St.

Canton, Miss. — It is reported that the Illinois Central Railway Co. will build a depot, to cost $10,000.

Chicago, Ill. — Chicago & Northwestern Ry., gas-works, 126 North Ada St.; cost, $6,000

St. Louis, Mo. — Two-st'y car-shed; cost, $7,000; owners and contractors, Lindell Ry. Co.

Wytheville, Va — A depot for the Norfolk and Western Railroad Co., to cost $20,000, is contemplated.

BUILDING INTELLIGENCE.

SCHOOL-HOUSES.

Detroit, Mich.—W. H. Hollands & Son, brick school-house, 971 Canfield Ave.; cost, $25,000; also brick school-house, 195 Horton Ave.; cost, $15,000.

El Paso, Texas. — A school-house will be built, to cost about $10,000.

Little Rock, Ark. — William McDowell has secured contract for building for St. Andrew's School, to cost about $10,000.

Philadelphia, Pa — *Berks St.*, n e cor. Twenty-second St., three-st'y brick and stone school-house; contractor, M. McManus, 313 North Second St.

Emlen St., n e cor. Seventh St., three-st'y brick school-house; contractor, M. McManus, 313 North Second St.

Oxford St., s e cor. Second St., three-st'y public school-house; contractor, M. McManus, 313 North Second St.

STABLES.

Boston, Mass. — *Medford St., No.* 331, *rear*, Ward 4, two-st'y frame stable, flat roof, 30′ x 72′; owner and builder, A. M. Richards.

Pitts St., Nos. 46-52, cor. South Margin St., Ward 7, three-st'y brick stable, flat roof, 97′ x 108′; owner, E. B. Badger; builders, Gerry & Northrup.

Camden, N. J.—*Pine St., No.* 1113, frame stable; owner, John Bold, Haddon Ave. and Mt. Vernon St.

Mechanic St., below Broadway, brick stable; owner, Mrs. W. Butcher.

Liberty St., w Haddon Ave., frame stable; owner, Charles Slaeger.

Detroit, Mich. — Martin Scholl & Son, brick barn, 825 Cass Ave.; cost, $5,000.

Thomas M. Cattell, three-st'y livery-stable, 78-80 Larned St., east; cost, $8,500.

New York, N. Y. — *West Tenth St., Nos.* 10-168, five-st'y brick and stone stable; owners, Hilton, Hughes & Denning.

Boulevard, n e cor. Eighty-fourth St., livery-stable; owners, Samuel McMillan and George Crawford.

Ninety-sixth St., n s, 150′ w Ninth Ave., five-st'y brick stable, tin roof; cost, $35,000; owner, Daniel R. Gillie, 1629 Madison Ave.; architect, Edward Wenz, 1491 Third Ave.

East Twenty-fifth St., Nos. 410-414, two-st'y brick stable, gravel and asphalt roof; cost, $10,000; owner, Carl H. Schultz, 440 First Ave.; architect, Louis Thouvard, 120 Broadway.

One Hundred and Sixty-fifth St., s s, w Tenth Ave., brick and stone stable; cost, $10,000; owner, L. Horton; contractor, F. A. Rooke.

Ninety-eighth St., s s, w Second Ave., 2 two-st'y brick stables; cost, $10,000; owners, Thomas Corkery and Matthew Mullin; architect, John C. Burne.

Philadelphia, Pa.—*Fillmore and Jefferson Sts.*, two-st'y frame stable; owner, John Goostrey, 1939 Fillmore St.

Mt. Ephraim Ave. and Sycamore St., frame stable; owner, James Bell.

St. Louis, Mo.—Three-st'y brick stable; cost, $6,000; owners, J. Martin & Bro.; contractor, Wm. Kirksieck.

Worcester, Mass. — *Beacon St.*, one-and-one-half-st'y frame stable; owner, F. P. Goulding; contractor, S. Batchelder.

Harvard St., two-st'y brick and stone stable; owner, H. Wyman; architects, Fuller & Delano; contractor, J. G. Vaudreuil.

STORES.

Brooklyn, N. Y.—*Kingsland Ave.*, s w cor. Van Cott Ave., three-st'y frame store and dwell., felt and gravel roof; cost, $8,000; owner, F. Koeffer, 116 Clinton Pl., New York City; architect, John C. Snackenberg, 175 Java St.

Watkins St., n s, 125′ n Blake Ave., three-st'y frame store and dwell., tin roof; cost, $4,000; owner, Elise Darrancher, 26 Watkins St.; architect, A. J. Warren, 2583 Atlantic Ave.

Stagg St., n e cor. Waterbury St., 3 three-st'y frame stores and dwells., tin roofs; cost, $12,500; owner, Mr. Grassmann, Grand and Roebling Sts.; architect, Th. Engelhardt, 905 Broadway.

Johnson Ave., s s, 175′ e Old Bushwick Road, 2 three-st'y frame stores and dwells., tin roofs; cost, $4,500 each; owner, Mr. Zipple; architects, D. Acker & Son, 752 Broadway.

Eighth Ave., s e cor. Eleventh St., four-st'y brick store and dwell., tin roof; cost, $12,000; owners, Norris & Co., 358 Twelfth St.; architect, A. V. B. Norris, 358 Twelfth St.

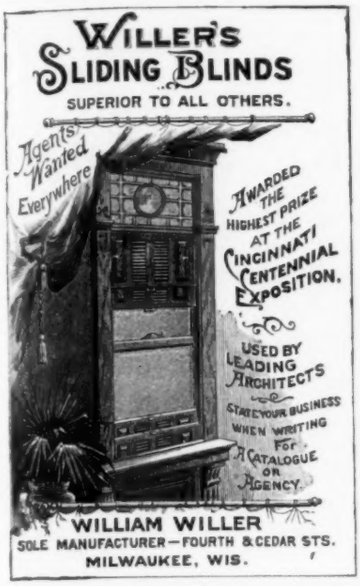
Fourth Ave., n e cor. Third St., 4 four-st'y brick stores and dwells., tin roofs; total cost, $34,000; owner, Thos. F. Martin, Fourth Ave. and Union St.; architect, W. M. Coots, 26 Court St.

Third Ave., e s, 80′ n Thirty-sixth St., 2 three-st'y frame stores and dwells., tin roofs; cost, $2,500 each; owner, Charles Hart, 710 Degraw St.

Third Ave., n e cor. Thirty-sixth St., 2 three-st'y frame stores and dwells., tin roofs; cost, $2,500 each; owner, Charles Hart, 710 Degraw St.

South Eighth St., s s, 89′ e Kent Ave., brick store, gravel roof; cost, $5,500; owner, Charles E. Ring, 373 Kent Ave.; architect, John Mumford, 16 Court St.

Broadway, w s, 18′ 10″ s Madison St., 5 four-st'y



BUILDING INTELLIGENCE.

brick stores and dwells., tin roofs; cost, $10,000 each; owners, architects and builders, Moores & Le Quesne, 1460 Broadway.

Broadway, s w cor. Madison St., four-st'y brick store and dwell., tin roof; cost, $10,000; owners, architects and builders, Moores & Le Quesne, 1460 Broadway.

Madison St., 21′ 10″ w Broadway, four-st'y brick store and dwell., tin roof; cost, $10,000; owners, architects and builders, Moores & Le Quesne, 1460 Broadway.

Broadway, 18′ 10″ s Madison St., four-st'y brick store and dwell., tin roof; cost, $10,000; owners, architects and builders, Moores & Le Quesne, 1460 Broadway.

South Fourth St., n w cor. Hooper St., four-st'y brick store and dwell., tin roof; cost, $11,000; owner, Otto Huber Brewery, Bushwick Pl. and Meserole St.; architect, Th. Englehardt, 905 Broadway.

Bushwick Ave., w s, 76′ s Meserole St., four-st'y frame store and dwell., tin roof; cost, $12,000; owner, Henry Roth, 154 Meserole St.; architect, Th. Engelhardt, 905 Broadway.

Hancock St., n w cor. Evergreen Ave., three-st'y frame store and dwell., tin roof; cost, $10,000; owners, architects and builders, Cozine & Gascoine, 1225 Bushwick Ave.

Central Ave., e s, 20′ s Linden St., 3 three-st'y frame stores and dwells., tin roofs; cost, $4,500 each; owner, F. Coleman Wood, 1057 Greene Ave.; architect, Henry Vollweiler, 486 Hart St.

Central Ave., s e cor. Linden St., three-st'y frame store and dwell., tin roof; cost, $5,500; owner, F. Coleman Wood, 1057 Greene Ave.; architect, Henry Vollweiler, 486 Hart St.

Hamburg Ave., s e cor. Woodbine St., three-st'y frame store and dwell., tin roof; cost, $5,500; owners, architects and builders, Cozine & Gascoine, 1225 Bushwick Ave.

Ninth Ave., e s, 20′ s Seventeenth St., 6 three-st'y frame stores and dwells., tin roofs; cost, $2,500 each; owner, Charles Hart, 710 Degraw St.

Eighth Ave., s e cor. Fifteenth St., three-st'y brick store and dwell., tin roof; cost, $10,000; owner, H. G. Bedell, 26 Court St.; architects, Parfitt Bros., 26 Court St.

Third Ave., w s, 60′ n Fifty-fourth St., four-st'y brick store and dwell., tin roof; cost, $6,500; owner, John T. Smith, 1276 Third Ave.; architect, W. Clemett, 250 Forty-ninth St.

Camden, N. J. — *Kaighn Ave., No.* 321, three-st'y store and dwell.; owner, John Matthews.

Chicago, Ill. — John Frederick, four-st'y store and flats, 982 West Twelfth St.; cost, $8,000.

M. O. Muchouse, two-st'y store and flats, Seventy-ninth St., near Goldsmith St.; cost, $12,000.

Ben Buseemer, two-st'y store and flats, 5135 Halsted St.; cost, $1,800.

P. Kestner, three-st'y store and flats, 1217 West Twenty-second St.; cost, $5,500.

John Vucha, two-st'y store and flats, 39 Coulter St.; cost, $1,900.

Mrs. J. O. Lindell, four-st'y store and flat, 5857-59 State St.; cost, $12,000.

George Rislin, two-st'y store and flats, 4825 Ashland Ave.; cost, $2,800.

Martin Schultz, three-st'y store and flats, 197 East North Ave.; cost, $7,500.

Wacker & Birk, store, 125 Wood St.; cost, $3,000.

Frank Gazzolo, four-st'y store and flats, 177 Wells St.; cost, $10,000.

Martin Olson, three-st'y store and flats, 659 North Oakley Ave.; cost, $4,000.

F. N. Stone, four-st'y store and flats, 351 West Harrison St.; cost, $9,500.

Detroit, Mich.—Gordon W. Lloyd, architect, six-st'y brick and stone store, 238-240 Woodward Ave.; cost, $45,000.

St. Louis, Mo. — Two-st'y brick store and tenement; cost, $8,000; owner, G. L. Hall; contractor, H. F. Beinke.

Three-st'y brick store and flats; cost, $7,000; owner, Peter O'Neil; contractor, Adam Bauer.

TENEMENT-HOUSES.

Brooklyn, N. Y. — *Fleet Pl.*, e s, 87′ 9″ s Tillery St., four-st'y brick tenement, tin roof; cost, $11,000; owner, Robert Brown, 280 Carlton Ave.; architect, J. W. Bailey, 66 Court St.

WAREHOUSES.

Detroit, Mich. — A. G. Hollands & Son, brick store house, 961-975 Clark Ave.; cost, $8,000.

W. D. Armstaetter, three-st'y brick storehouse, 227 Catharine St.; cost, $10,000.

Spier & Rohns, three-st'y brick brewery, 1123-1133 Gratiot Ave.; cost, $39,000.

New York, N. Y. — *East Twelfth St., Nos.* 36-38 eight-st'y brick, iron and terra-cotta fireproof warehouse; cost, $140,000; owners, S. & H. Corn; architect, Alfred Zucker.

Waverley Pl., No. 12, six-st'y brick, stone and terra-cotta warehouse; cost, $45,000; owners, S. & H. Corn; architect, A. Zucker.

Watts St. No. 40, five-st'y brick warehouse, tin roof; cost, $16,000; owner, Samuel G. Trusdale, 50 Watts St.; architect, Hugh Getty, 274 Ninth Ave.

MISCELLANEOUS.

Boston, Mass. — *Harrison Ave.*, cor. Stoughton St., Ward 18, four-st'y brick dispensary and hospital, pitch roof, 52′ x 120′, with L, 24′ x 40′, for Homœopathic Medical Dispensary; builders, Connery & Wentworth.

Portland St., near cor. Causeway St., six-st'y brick and stone mercantile building, 63.4′ x 112.3′, with L about 30′ x 50′; owner, Peter B. Brigham estate; contract to be let; architects, Hartwell & Richardson.

Brooklyn, N. Y. — *Oak St.*, n s, 300′ w West St., brick boiler and engine-house, with frame extension, gravel roof; cost, about $20,000; owners, American Manufacturing Co., 16 Exchange Pl., New York City; architects, Drew, Baldwin & Co., 45 Broadway, New York City.

Bogart St., w s, 76′ 6″ e Stagg St., three-st'y frame shop and dwell., tin roof; cost, $5,500; owners, William and Joseph Schuch, 210 Stagg St.; architect, Th. Engelhardt, 905 Broadway.

North First St., n s, 75′ e Bedford Ave., 2 one and two st'y brick buildings, to be used as a cell, prison and stable for the Fifth Precinct Police, tin roofs; cost, $12,000; owner, Department of City Works, Municipal Building; architect, R. L. Daus, 26 Court St.

Fourth Ave., 75′ 2″ n Fifty-second St., two-st'y brick fire engine-house, tin roof; cost, $10,500; owner, City of Brooklyn.

Greenpoint Ave., s s, 78′ w Monitor St., three-st'y frame tool-shop and office, gravel roof; cost, $4,000; owner, Charles Miller, 128 Kent st.; architect, Fred Weber, 211 Manhattan Ave.

Monitor St., s w cor. Greenpoint Ave., frame foundry, gravel roof; cost, $9,000; owner, Charles Miller, 128 Kent St.; architect, Fred Weber, 211 Manhattan Ave.

Camden, N. J. — *Fifth and Erie Sts.*, brick mill; owner, John L. Mills.

Chestnut St. and Haddon Ave., two-st'y brick workshop; owner, M. C. Harden.

Delaware River and Second St., two-st'y boathouse; owner, Wilson Ernst.

Seventh St. and Kaighn Ave., brick building for storage purposes; owners, Farr & Bailey.

Chattanooga, Tenn. — The building of a seven-st'y bank-building by the Citizens' Bank & Trust Co. is contemplated.

Galveston, Texas.— Plans have been prepared for a three-st'y armory building, to cost about $30,000; architect, Robert Thornton.

Philadelphia, Pa. — *Spring Garden St., No.* 2029, three-st'y back building, metal roof; owners, Gillison, Christie & Co., 1615 Catharine St.

North Twelfth St., No. 1731, tank and boiler-house; contractor, Jacob Lang, 2208 Columbia Ave.

Woodland Ave., n e cor. Gray's Ferry Road, three-st'y storehouse; owner, Isaac Wood, Forty-eighth St., below Woodland Ave.

Federal St. and Delaware River, iron building; owners, Camden & Philadelphia Ferry Co.

Eighth and Spruce Sts., frame building; owners, Carmony Bros.

Nineteenth St., n s, n Cherry St., two-st'y brick and stone lecture-hall for Academy of Natural Sciences; cost, $25,000; architect, James H. Windrim; contractor, W. R. Dougherty, 1604 Sansom St.

St. Louis, Mo. — Two-st'y brick ice-house; cost, $3,000; owners and contractors, Polar Ware Ice Co.

Two-st'y brick carriage-house; cost, $3,000; owner and contractor, Henry Putting.

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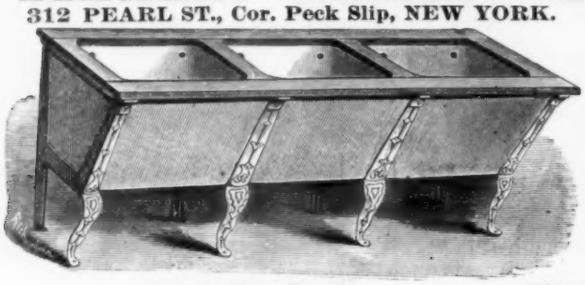
THE CELEBRATED SOLID WHITE CROCKERY STATIONARY WASH-TUBS.



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Made of same material as the tubs. Very strong, well glazed, no labor required to keep clean.

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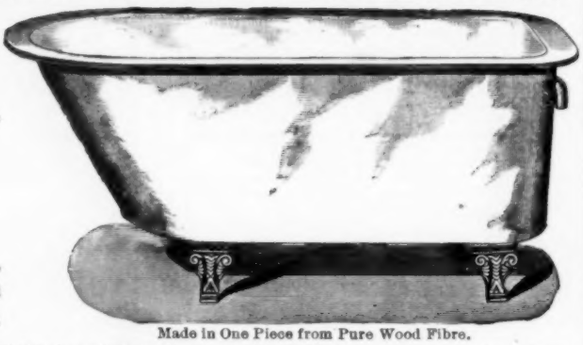
HANDSOME BUT INEXPENSIVE.



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COL. GEORGE E. WARING, JR., C. E. etc., in his recent work on Sewerage and Land Drainage, in speaking of traps liable to siphonage, says: "the best remedy would be to supply the defective traps at their summits with McClellan's Mercury Seal-Trap Vent, a perfectly safe device, of little cost, simple and easy of application, and sure to supply air when needed."

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For Wash-Bowls, Sinks, Bath and Wash-Tub

204 Superior St., Cleveland, O.

PROPOSALS.

IMPROVED SEWERAGE SYSTEM.

[At Providence, R. I.]

DEPARTMENT OF PUBLIC WORKS,
PROVIDENCE, R. I., January 20, 1891.

Sealed proposals will be received at this office **until 12 o'clock, noon, Thursday, February 12, 1891,** for building the outlet portion of Section 1, and for building Section 2 of the "Improved Sewerage System" of the city of Providence, in accordance with the form of contract and specification to be furnished by the Commissioner.

All proposals must be made upon the blank forms which will be furnished for the purpose.

The work is approximately indicated as follows:

	Length in feet.	Size.	Average depth of cutting.	cubic yards masonry.
Sec. 1	720	Double line 48-in. cast-iron pipe.	25 feet.	
Sec. 2	539 1525 450	doub. 86½ x 94 in. 110 in. circ. 110 in. and 28 in. x 42 in.	22 feet.	6640

Plans may be seen and specification and form of contract can be obtained at the office of the City Engineer in Providence.

Each bidder is requested to give reference as to his business standing, and to state generally what experience he has had in such work as here proposed.

No bid will be considered unless accompanied by a certified check for the sum of one thousand dollars.

A satisfactory bond for a sum equal to about one-third of the estimated amount of the contract, conditioned upon the faithful performance of the contract, will be required of the successful bidder.

The right to reject any or all proposals is reserved.

JOHN A. COLEMAN,
789 Commissioner of Public Works.

January 19, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 12th day of February, 1891, for all the labor and materials required for the stone and brick masonry of the superstructure, also for the iron floor, ceiling and roof construction, floor-arches, etc., for the United States Custom-house and Post-office building at Eastport, Me., in accordance with the drawings and specifications, copies of which may be had on application at this office or the office of the Superintendent at Eastport, Me. The bids for each branch of the work must be accompanied by a certified check for $200. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Each proposal must be enclosed in an envelope sealed and marked "Proposal for Stone and Brick Work of Superstructure," or "Iron Floor and Ceiling and Roof Construction, etc.," as the case may be, "for the United States Custom-house and Post-office building at Eastport, Me.," and addressed to JAS. H. WINDRIM, Supervising Architect. 788

January 16, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 11th day of February, 1891, for all the labor and materials required for the approaches to the United States Court-house, Post-office, etc., building at Charlotte, N. C., in accordance with the drawing and specification, copies of which may be had on application at this office or the office of the Superintendent at Charlotte, N. C. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Approaches to the United States Court-house, Post-office, etc., building at Charlotte, N. C.," and addressed to JAS. H. WINDRIM, Supervising Architect. 788

January 17, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 10th day of February, 1891, for all the labor and materials required to build an annex to the building and completion of the approaches to the United States Post-office, etc., at Brooklyn, N. Y., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Brooklyn, N. Y. Each bid must be accompanied by a certified check for $500. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for Building Annex and Completion of Approaches to the United States Post-office, etc., building at Brooklyn, N. Y.," and addressed to JAS. H. WINDRIM, Supervising Architect. 788

United States Commission of Fish and Fisheries, Washington, D. C., January 13, 1891.—Readvertisement.—Sealed proposals will be received at this office until 12 o'clock, noon, of February 16, 1891, at which time they will be opened in the presence of attending bidders, for the construction of two buildings on the property of the United States Fish Commission at East Orland, Me. The right is reserved to reject any or all bids or parts of bids. Specifications, plans, blank proposals and full information will be furnished on application to the postmasters at Bangor, Bucksport and Ellsworth, Me., respectively. Marshall McDonald, Commissioner. 788

PROPOSALS FOR IRON-WORK. Office of Building for Library of Congress, No. 145 East Capitol Street, Washington, D. C., January 15, 1891. Sealed proposals for furnishing, delivering and putting in place complete the wrought-iron frame and cast-iron Bower-Barffed work for the three main book-stacks for the Building for the Library of Congress, in this city, will be received at this office until 2 o'clock P. M. on Tuesday, the 17th day of February, 1891, and opened immediately thereafter in presence of bidders. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application at this office. BERNARD R. GREEN, Superintendent and Engineer. 788

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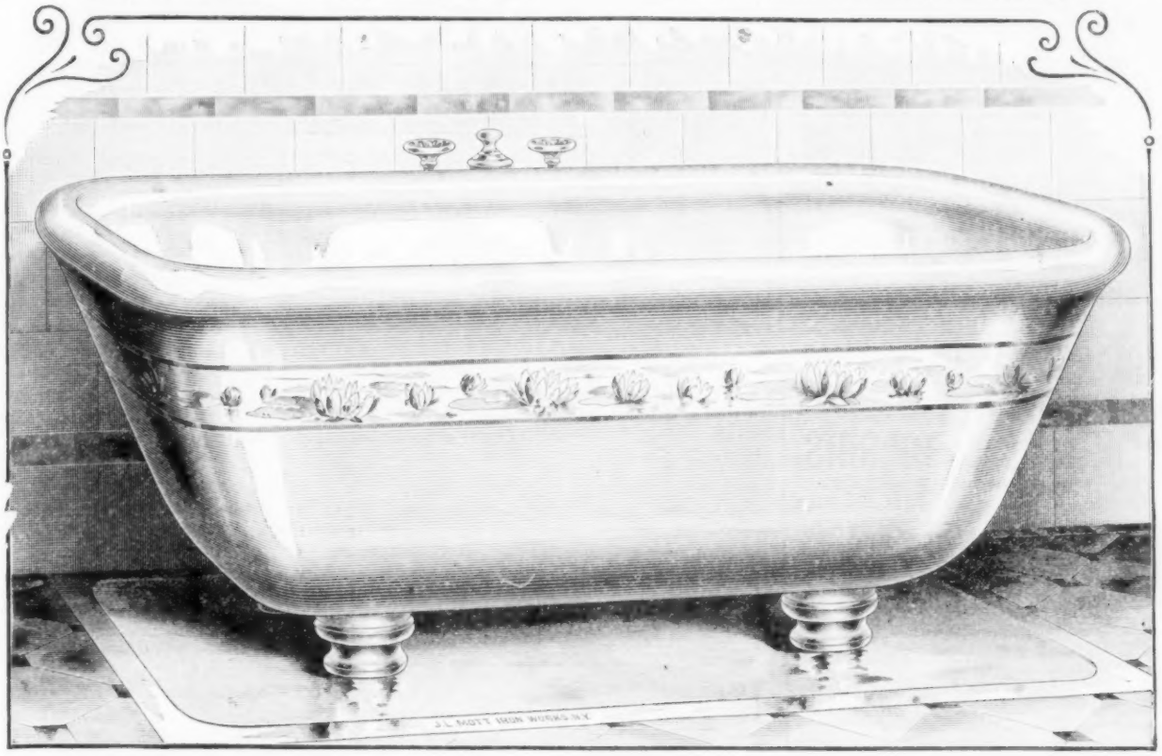

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[*See Alphabetical Index on page VII for Pagination.*]

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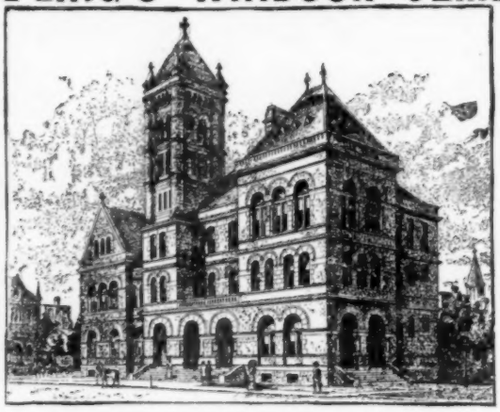

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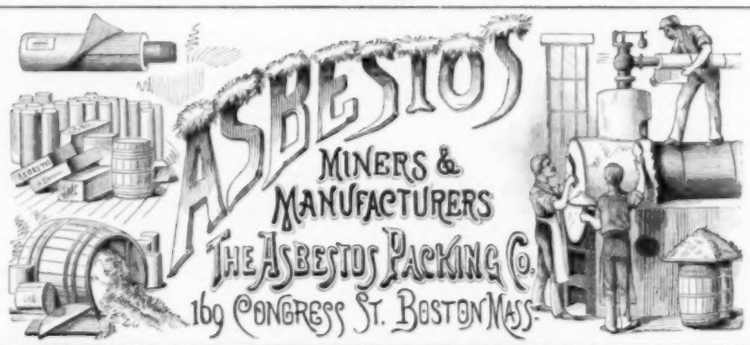

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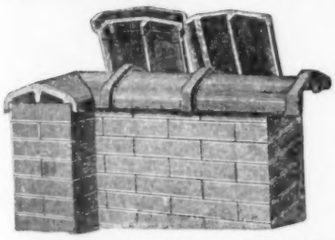

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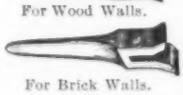

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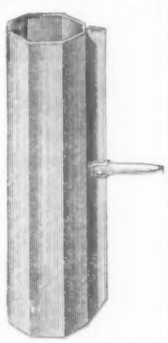

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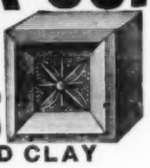

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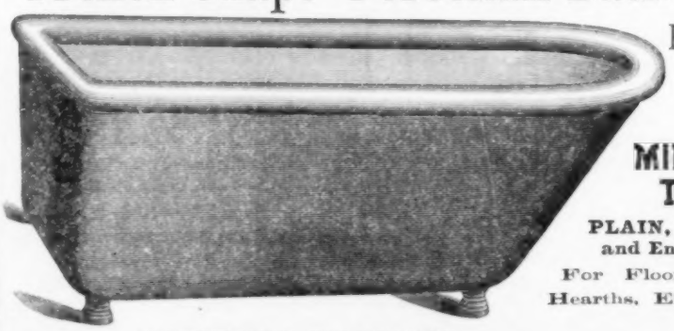

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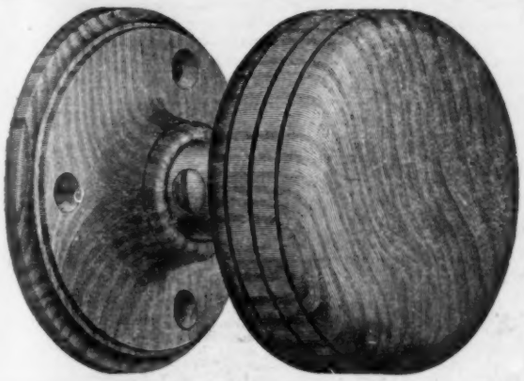

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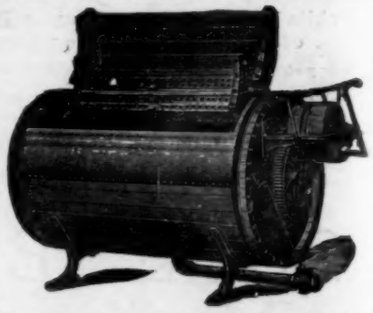

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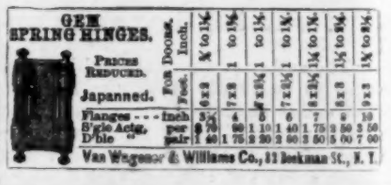

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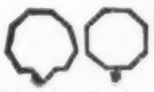

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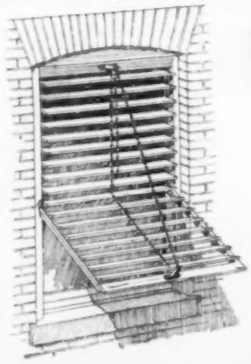

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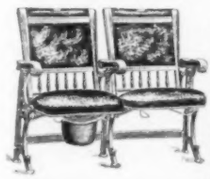

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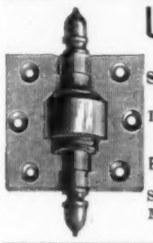

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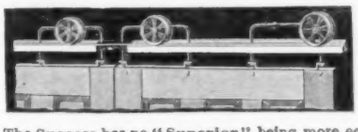

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" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13 @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 40 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 00
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 25 @ 2 30	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ M	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 90	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40
Cedar, split ₱ M	@	@	*Not sold.*	24" 8 @ 21
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	20" 35 @ 14
Cypress. Split...7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Commo	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. (*First Qual.* [*Kiln dried.*])				
Ash	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 55 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ₱ lb	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 17 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	50 @ 45 00

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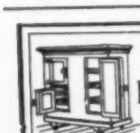

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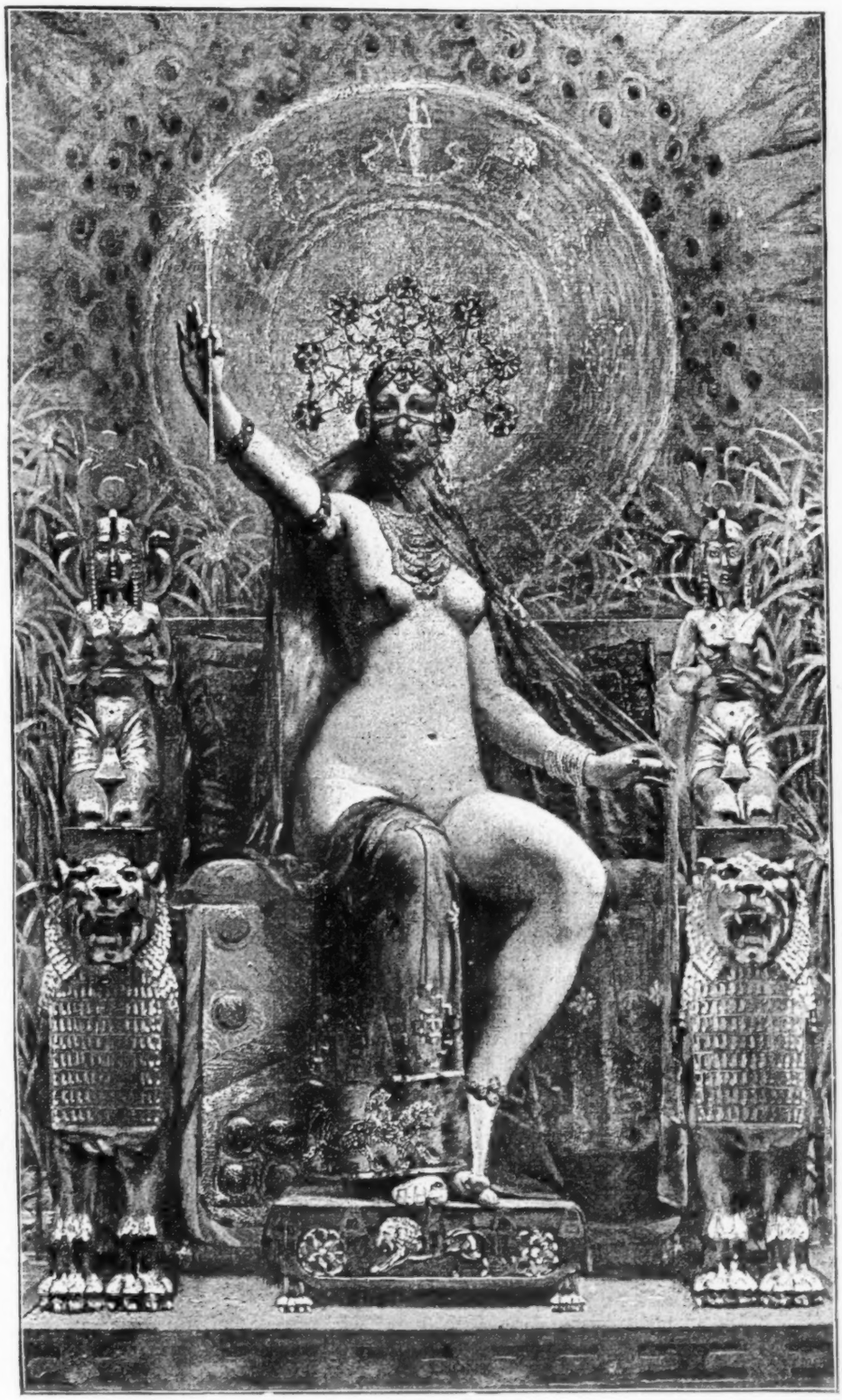
Common: *Cargo afloat.*				
Pale	3 00 @ 3 50	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 9 00
Jersey	5 00 @ 6 00	Bay State Hard 8 00 @ 9 00		" @ 7 0
Long Island	6 25 @ 6 75	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Salm'n 5 0
Up River		Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 00
Haverstraw Bay 2nd	6 00 @ 6 25	Philadelphia 40 00 @ 45 00		Light Stretchers @ 10 00
" 1st	6 25 @ 6 50	Phila. mould 50 00 @ 80 00		Medium " @ 12 00
Hollow	@ 13 00			Red " @ 13 00
Fronts				Dark " @ 13 00
Croton, Brown	@ 13 00		15 00 @ 27 00	Pressed 18 00 @ 20 00
" dark	@ 14 00	Anderson 14 00 @ 32 00	65 00 @ 350 00	Best Paving @ 14 00
" red	@ 14 00		@ 55 00	Second " @ 13 00
Chicago pressed (Anderson)			45 00 @ 50 00	Third " @ 12 00
Chicago Moulded			45 00 @	
Baltimore	37 00 @ 41 00		25 00 @	
Philadelphia	23 00 @ 24 00		60 00 @ 100 00	
Trenton	22 00 @ 23 00		30 @	Dom. @ 65
Milwaukee			35 @	@ 85
Moulded:			55 00 @ 65 00	
Glens Falls Red Pressed	@ 37 00			1 30 @ 50
" " Buff	@ 30 00		@ 100 00	" @ 7 0
" " Moulded Red & Buff	45 00 @ 70 00		@ 120 00	B S & Co 275 @ 300
Enamelled: *Imp.*				2 85 @ 3 25
Enamelled (edge.)	85 00 @ 100 00			2 85 @ 3 15
Enamelled (edge and end)	90 00 @ 115 00			2 75 @ 3 00
CEMENT, LIME, etc.—(₱ *cask.*)				2 85 @ 3 15
Rosendale Cement	1 10 @ 1 25	1 20 @ 1 40	*Not Sold.*	2 75 @ 2 85
Louisville "		Brooks, S. & Co 2 60 @ 3 00	1 05 @ 1 30	Hemmoor
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 50 @ 2 75
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 75 @ 2 85
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	Josson
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 60 @ 2 75
" " (Burnham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	3 00 @ 3 25
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 2 85
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	
" " (Lagerdofer)		2 55 @ 3 0	2 75 @ 3 00	
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	
" " (Hanover)	2 50 @ 3 00		*Not Sold.*	
" " Stettin, (Anchor)	2 35 @ 2 85		*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	
Roman	2 75 @ 3 00	3 00	2 75 @ 3 25	
Keene's coarse	5 75 @ 6 50	6 00	6 00 @ 7 00	
" superfine	9 25 @ 10 25	11 50	9 @ 10 50	
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	
Hydraulic Lime ₱	@ 1 45	@ 1 35		
Chicago Lime in bulk		St. ohn 1 00	55 @	
Wisconsin "			60 @	
Rockland and Rockport, (Com.)	@ 90	@ 1 05	*Not sold.*	
Rockland and Rockport, finish	@ 1 10	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	
State, finishing "	@ 1 05	*Not sold.*	*Not sold.*	
Plaster of Paris (calcined.)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	
Hair (Cattle) ₱ bush	16 @ 18	25 @ 30	30 @ 35	
" (Goat)	20 @ 22	@ 30	30 @ 55	
Sand, ₱ load	1 00 @ 1 25	1 75 @ 1 90	@ 60	
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)	45 @ 1 35	@ 60		
Limestone:	@ 1 00	95 @ 1 00	50 @	
Bedford			35 @ 55	
Joliet			35 @ 60	
Lemont			@ 1 00	
Serpentine		10 50 per ton		

	Philadelphia.
	1 85 @ 2 25
	1 75 @ 2 50
	20 @ 25
	30 @ 35
	@ 1 50
	55 @ 65
	75 @ 90
Richmond	75 @ 1 50
	4 50 ₱ Perch



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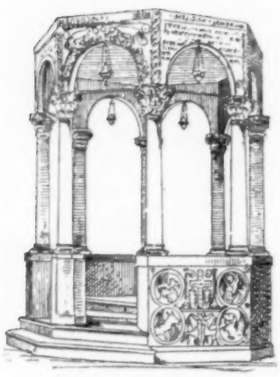
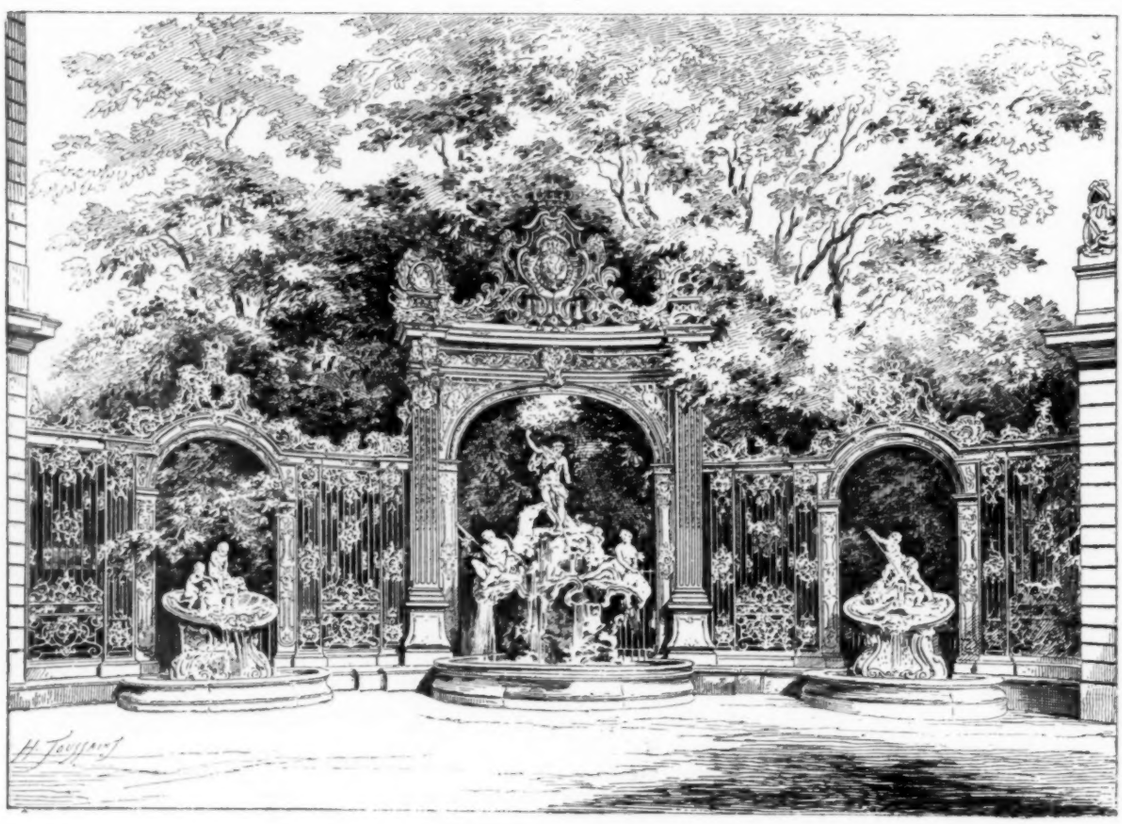


Baptistery at Cividale, Italy.

Fountain at Wertheim.



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Mortar Colors.				
Black, brown, buff ℔ lb.	@ 2½			
Colorific ℔ lb.	@ 2½			
Red ℔ bbl.	@ 3			
White ℔ bbl.	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	℔ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (℔ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	75	50 @ 1 00	37 @ 50
Sandstone,				
Longmeadow	@ 80	80 @ 90		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		1 05 @ 1 35
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	
Amherst	90 @ 95	90 @ 1 00	45 @ 50	55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle, English	@ 1 05	@ 1 05		95 @ 1
Corse Hill (Scotch)	1 05	1 05		
Marble (℔ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not sold.*	2 00 @ 2 50
Rutland, white and Blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	350 @ 6 00	1 70 @ 3 00
Glens Falls, black	@		*Not sold.*	4 00 @ 4 50
Italian, blue-veined	@		@ 4 40	2 50 @ 2 75
" Sienna	@		*Not sold.*	@ 5 00
Tennessee, red	@		@ 4 40	4 00 @ 6 00
" Knoxville	@		@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@		*Not sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate; Roofing (℔ *squares*)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	℔ 00 @ ℔ 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" red	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
" black, Lehigh	— @ —		7 30 @ 8 00	4 00 @ 4 65
" " Chapmans	5 50 @ 8 00	5 50 @ 8 0	6 00 @ 9 00	5 50 @ 8 00
" Unfading Black, Monson, Me.	@		*Not sold.*	@ 25 00
Tiles, Am. ℔ M.				6 00 @ 6 75
N. Peach Bottom, warranted unfading				
PAINTS. (*In oil,* ℔ *lb.*)				
White lead, Am.	7 @ 7½	7½ @ 7½	6½ @ 7	@ 7½
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	7½ @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermilion	65 @ 70	75 @ 80 dry	65 @ 68	Eng. @ 76
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	52 @ 58	55 @ 56	57 @ 60	@ 60
" " boiled	54 @ 62	58 @ 59	60 @ 63	@ 63
Turpentine	39 @ 40	44 @ 15	51 @ 51	@ 44
Varnish, coach		1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac		2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	2 @	2 @ 4	02½ @	2 @ 2½
Whiting (℔ cwt.)	75 @ 1 00	1 @ 1½	1 @ 1½	3 @ 1
Paris white, (Eng.,)	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am.	5½ @ 6	@ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber, "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) **Spikes,** (*wrought.*)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 50	@ 3 65	3 60 @ 4 75
Finishing nails according to size.			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4" x 4" (℔ doz. pairs.)				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 20	@ 90
Japanned	@ 1 50	@ 1 75	*Not sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish (℔ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (for cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (℔ *Set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:		@	13 @ 16	13½ @ 16
Sheet Lead		@ 8	7	@ 6½
Lead Pipe		@ 7½	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft.	3 5-10 @ 3½	@ 3 1-10	3 20 @ 3 70	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance.			" "	@ 2 8-10
Channel-Beams	3 5-10 @ 3½	@ 3 1-10		@ 2 8-10

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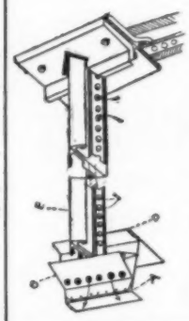

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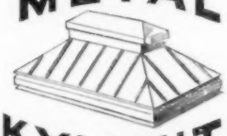

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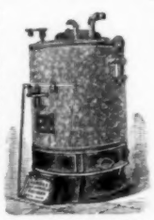

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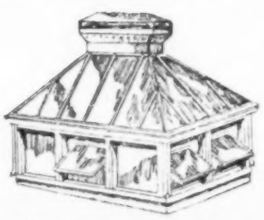

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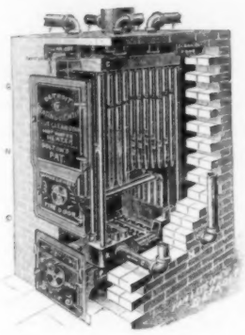

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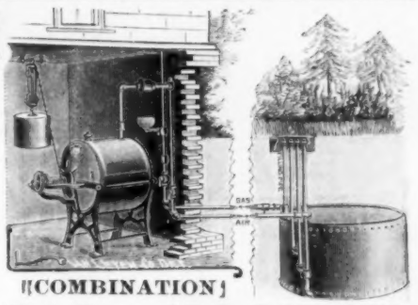

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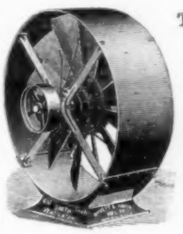

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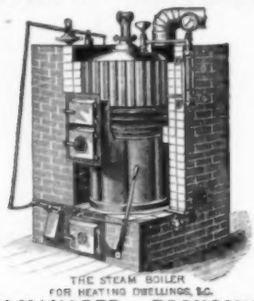

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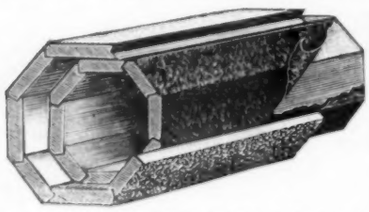

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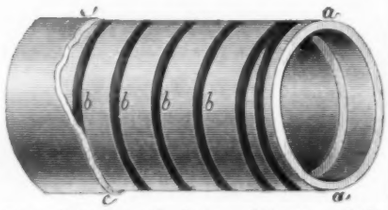

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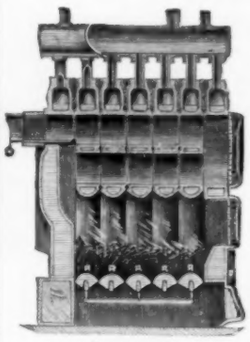

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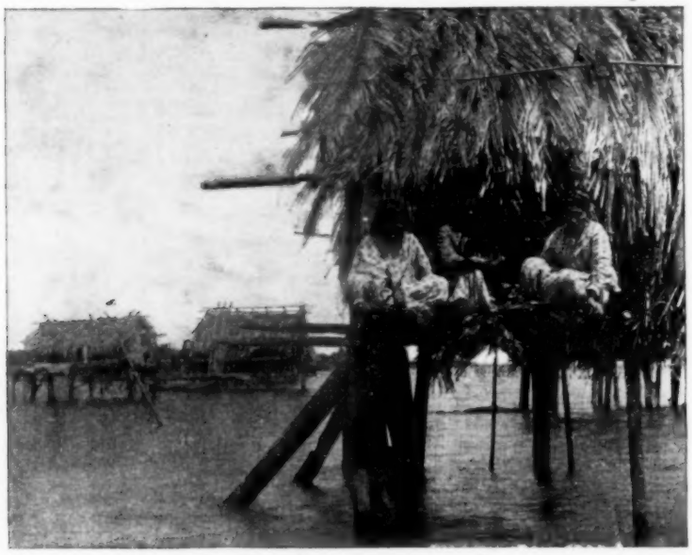

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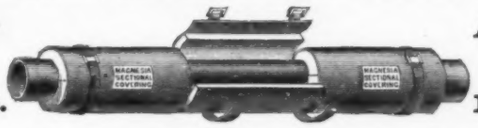

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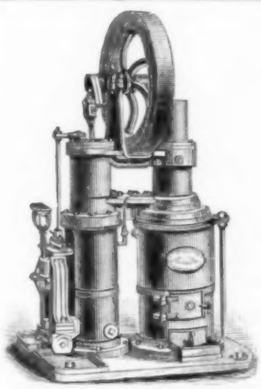

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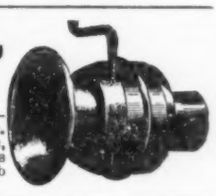

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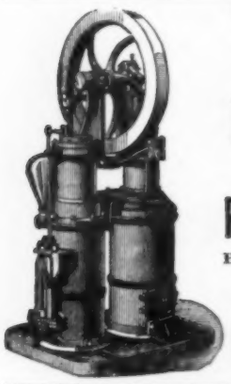

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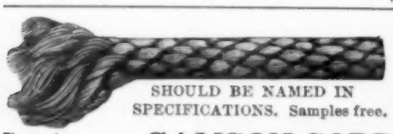

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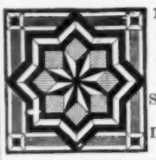

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The mantels are smooth, the grain of the wood is pearl-like in depth of color.

The rest of the woodwork is oily rather than smooth; and dull; the crystalline beauty of grain is gone; dust sticks; the varnish is gone.

The difference comes of two ways of conducting the two businesses, mantel-making and other interior work.

Mantels are merchandise. They are made well enough to sell, at least.

But the rest of the work is sold before it is made; that is, it is done by the job. The price is fixed before the work is done or materials bought. Whatever is saved is so much gained by the builder.

Change the system of building by contract, we cannot; but is it too much to suggest a little firmer hand on the builder?

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Guaranteed to consume 25 to 75 per cent less gas than any other Gas Engine doing the same work.

ART METAL WORK

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ESCUTCHEON PLATES

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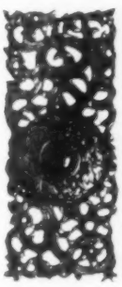
AND EVERY DETAIL OF

ART HARDWARE

Executed · in · Iron, · Brass · or · Bronze.



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The American Architect and Building News

IS PUBLISHED EVERY SATURDAY BY

TICKNOR & COMPANY,

211 Tremont St., Boston, Mass.

For the American Architect and Building News Co.

Advance Subscription Rates.

Regular Edition, $6.00 per year; six months, $3.50.
Imperial Edition, $10.00 per year; six months, $6.00.
International Edition, per year in advance, $25.00.
" " quarterly " 26.00.

☞ Payment should be made to Ticknor & Co. direct, either by draft or post-office order.

Address all business correspondence to the publishers direct.

Advertising Agents.

Boston and Philadelphia: —
I. Henry Paige, 211 Tremont St., Boston.
New York City: —
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Advertising rates: For "wants" and "proposals," 15 cents per line, each insertion. Other rates on application.

New Advertisements.

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PERSPECTIVE DRAWING.

The *American Architect* Drawing-Office will undertake the preparation of perspective drawings in line or color from scale drawings, or will render drawings ready in outline. Address the editors.

WANTED.

POSITION. — Wanted, position in architect's office by a draughtsman of three years' experience; good tracer and copyist, with fair knowledge of design and detail drawings; first-class references. Address "C.," care of *American Architect.* 788

WANTED.

PLATES. — Wanted, *American Architect* plates of last year's Regular or Imperial Edition; state price. Address Maclaren, 119 North Fifteenth Street, Philadelphia. 786

WANTED.

SITUATION. — A young man with two years' experience desires to make a contract with some firm; Chicago preferred. Address "J.," care *American Architect.* 788

WANTED.

DRAUGHTSMAN. — Wanted, young draughtsman to execute plain water-color sketches. Address "E. C.," care *American Architect.* 788

WANTED.

SITUATION. — Wanted by an architectural draughtsman with twelve years' Chicago experience; would go West; understands all processes of duplicating drawings in colors. Address J. J. Spalding, 4834 Wood Street, Chicago. 788

WANTED.

POSITION. — Architect, German graduate, with ten years' American practice, independent manager of large offices, familiar with city and country work, ready for engagement as partner or chief assistant. Address "B. G.," care H. M. Carleton, 21 Park Row, New York. 789

WANTED.

DRAUGHTSMAN. — Wanted, architectural draughtsman; state experience, ability and salary expected. Address Ed. L. Davis, Wedge Building, Schenectady, N. Y. 789

WANTED.

SUPERINTENDENT. — The undersigned desires a competent building superintendent; one who has had experience in fine work only. J. H. W. Hawkins, Architect, First National Bank Building, Omaha, Neb. 788

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See the first issue of the month for the following advertisements.

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Esterbrook Pen Co.
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E. Thiele.
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Utica Stained Glass Works.
H. A. Williams Mfg. Co.
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J. F. Pease Furnace Co.
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Flanagan & Biedenweg.
J. & R. Lamb.
Pittsburgh Mineral Wool Co.

See last or next issue for the following advertisements.

Howson & Howson.
Chrome Steel Works.
F. W. Devoe & Co.
Gorton & Lidgerwood.
B. F. Sturtevant.
Bailey Reflector Co.
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Pittsburgh Plate Glass Co.
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Cortright Metal Roofing Co.
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DRAUGHTSMEN. — Apply to Hodgson, Architect, Denver, Col., stating experience, and send samples of work; wages no object to good men of large experience. Hodgson, Architect. 788

BUILDING & KINDRED TRADES

Will confer a favor by sending Catalogues, Price Lists, Samples, etc., to **G. A. SHERMAN, Architect, Adams Building, Quincy, Mass.** 788

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BUILDING PATENTS.

[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

443,989. Bit-Stock. — Winfield S. Davis, Florence, Mass.

443,992. Man-hole for Underground Electric Conduits.—William H. Hart, Brooklyn, N. Y.

444,018. Self-Closing Faucet.— George W. Renton, Somers, N. Y.

444,019. Door-Check. — Marcius C. Richards, Aurora, Ill.

444,026. Drill-Bit.—John T. Snyder, Luzerne, Pa.

444,042. Veneered Lumber.— William E. Brock, Plainfield, N. J.

444,078. Heating-Drum. — Patrick J. Tracy, Racine, Wis.

444,097. Sash-Balance. — Samuel N. Goldy, San Francisco, Cal.

444,111. Wrench.—William J. Shea and Cornelius Birkery, Hartford, Conn.

444,161. Bit.— Francis J. Roche, Somerville, Mass.

444,213. Wall-Paper.—Noble R. Streeter, Brooklyn, N. Y.

444,243. Water-Closet Bowl. — Wm. S. Cooper, Philadelphia, Pa.

444,245. Electric Annunciator. — August Hormel, New York, N. Y.

444,254. Roof for Hot-Houses.—James D. Scovel, Detroit, Mich.

444,277. Fire or Burglar Alarm. — William Henry, Columbia, S. C.

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Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING JANUARY 23, 1891.

From Carthagena.— Schooner "*Myra B. Weaver*," 526 cedar logs, order.

From Glasgow.—Steamer "*State of Pennsylaania*," 16 cases granite, Erie Dispatch Co.; 3 do., Commercial Line, 13 cases do., New York Granite Co.; 256 do., Austin, Baldwin & Co.; 100 barrels cement, order.

From Hamburg.— Ship "*Magdalene*," 2,000 barrels cement, order. Ship "*Georg*," 15 barrels cement, order.

From La Brea, Trinidad —Schooner "*Wandrian*," 490 tons crude asphalt, order.

From Laguna. — Schooner "*Montana*," 204 logs mahogany and cedar, 32 log ends, Thebaud Bros. Schooner "*Flora Woodhouse*," 72 pieces mahogany, 136 do. cedar, J. W. Wilson & Co.

From Liverpool. — Steamer "*Gallia*," 197 casks bricks, Meeker & Carter.

From London. — Steamer "*Lydian Monarch*," 500 casks cement, German Bank of London; 100 do., McLean & Co.; 550 do., E. Thiele. Bark "*Quebec*," 2,000 casks cement, Chas. J. Stevens; 3,500 do., order. Steamer "*Persian Monarch*," 500 casks cement, Marcial & Co.; 500 casks do., order. Steamer "*Holland*," 1,500 casks cement, German Bank of London; 1 case bricks, order.

From Port Spain.—Bark "*Belmont*," 620 tons crude asphalt, order.

From Santa Cruz.—Schooner "*Walter Holly*," 207,205 feet cedar, order. Bark "*Stauba*," 1,430 logs cedar, order.

From Stettin. — Bark "*Grundloven*," 2,000 barrels Portland cement, order.

From Vera Cruz. — Steamer "*Yumuri*," 51 blocks marble, Nacke, Brinkmann & Co.; 379 do., Jose O'Kelly.

From Wallace, N. S. — Schooner "*John E. Shatford*," 224 tons freestone, G. P. Sherwood.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

ALTERATIONS.

Boston, Mass. — *Washington St., No.* 449, Ward 10, alterations to mercantile building; owner, John Coppenhagen; builders, Weissbein & Jones.

Brooklyn, N. Y.— *Willoughby Ave.*, s s, 75′ w Broadway, four-st'y brick store, gravel roof, altered internally and fire-escapes provided; cost, $5,000; owner, B. J. Warner, 81 Morton St.; architect, Warner Jones, 109 South Ninth St.

Chicago, Ill. — Newberry estate, six-st'y addition to warehouse, 161 Superior St.; cost, $12,000.

(*Continued on page* xix.)

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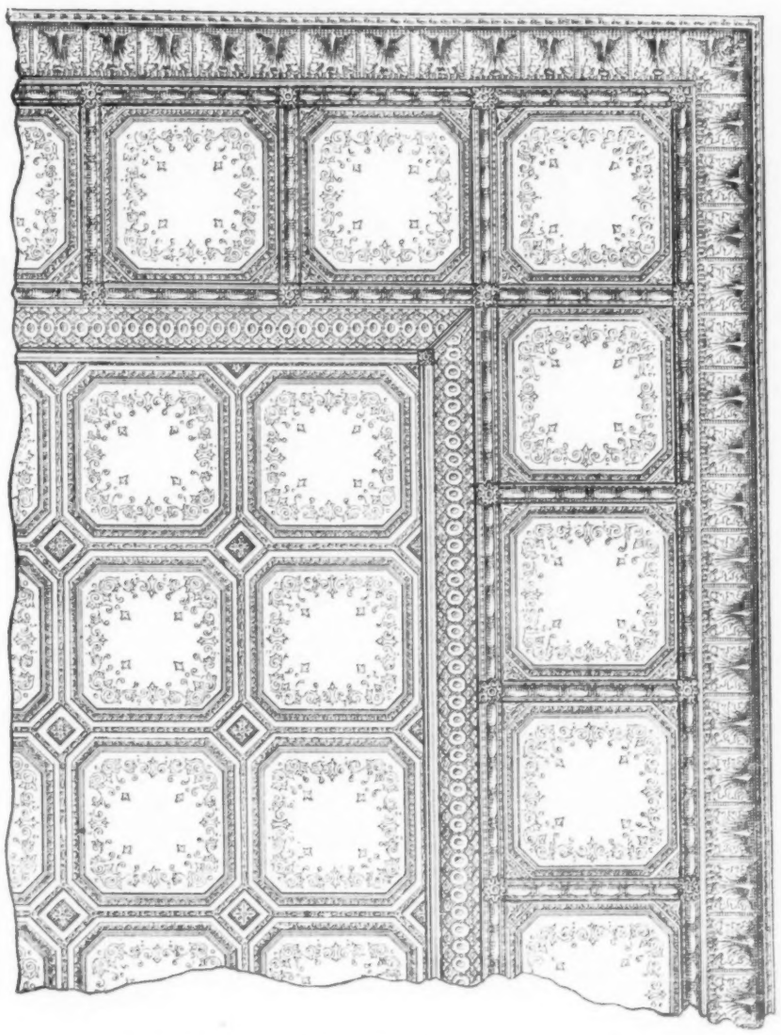

STYLE O. Scale, ½ in. equals 1 foot. Showing ceiling of Stamped Steel Panels, 27 x 27, with border of the same panels with an enriched moulding between each one. Also a *mat* which may be of any width necessary, and a "Leaf-Cove" Cornice.

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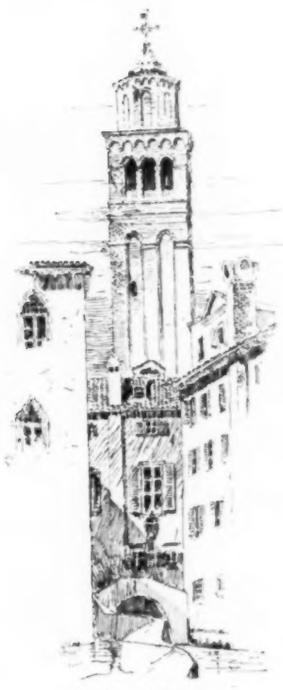
Tower of St. Mark.

View of Venice.

San Trovaso.

San Giorgio dei Greci.



San Stefano.

ITALIAN TOWERS, VENICE.

GUASTAVINO
FIREPROOF CONSTRUCTION CO.

MILWAUKEE, New Insurance Building.

PROVIDENCE, Vaughan Building.

[Dome 40 feet in Span and 2 inches thick.]

CHICAGO: Phœnix Building.

View of the Main Office, N. Y. 57th STREET, and N. R.

BOSTON. 63 Pierce Building, 12 Huntington Ave.

BUILDING INTELLIGENCE.

W. H. Barrett, three-st'y addition, 339 East Ohio St.: cost, $10,000.

O. H. Ahlgran, one-st'y addition, 54-56 Chicago Ave.; cost, $3,000.

M. Bensinger, two-st'y addition, 2217 Calumet Ave.; cost, $2,000.

H. Gross, one-st'y addition, Ninety-first St. and Exchange Pl.; cost, $2,000.

George T. Arner, two-st'y addition, 1346 Jackson St.; cost, $2,300.

New York, N. Y. — *Bloomfield and Leon Aves.*, two-st'y brick and iron market-building, interior alterations; cost, $3,500; owner, New York City; lessees, E. C. & G. F. Swift, 108 Barclay St.; architect, J. G. Glover, 186 Remsen St., Brooklyn, N. Y.

East Thirty-first St., No. 233, four-st'y brick tenement, extension and internal alterations: cost, $6,000; owner, R. Loercher, 61 St. Mark's Pl.; architect, J. Kastner, 744 Broadway.

Suffolk St., No. 18, five-st'y brick tenement, internal alterations; cost, $3,000; owner, Israel Salzman, 17 Hester St.; architect, Herman Horenberger, 99 East Third St.

East Eighty-ninth St., No. 201, four-st'y brick tenement, extension and interior alterations; cost, $8,000; owner, Philipine Rothermel, 201 East Eighty-ninth St.; architect, Frank Wennemer, 204 East Eighty-sixth St.

Thirteenth Ave., n e cor. Thirteenth St., one-st'y brick factory, extension; cost, $3,500; owner, Ruth Delamater, 420 West Twentieth St.; architect, M. Louis Ungrich, 236 East One Hundred and Eighteenth St.

Fulton St., No. 170, five-st'y brick factory raised to nine stories and interior alterations; cost, $8,700; owner, Roosevelt estate, 4 West Fifty-seventh St.; architects, Carrère & Hastings, 44-46 Broadway.

Broadway, Nos. 507-509, five-st'y brick factory, damages by fire repaired; cost, $5,355; owner, Horace S. Ely, 19 East Fifty-fifth St.; builder, Elward Smith, 47 Ann St.

East Twenty-third St., four-st'y brick dwell., internal alterations; cost, $3,000; owner, Benjamin Stephens, 28 East Fifty-fourth St.; architect, C. B. J. Snyder, 15 East Fourteenth St.

Twelfth Ave., s e cor. Manhattan St., three-st'y brick dwell., extension and internal alterations; cost, $3,000; owner, George Ehret, Ninety-fourth St. and Park Ave.; architects, J. & L. Weber, 212 East Eightieth St.

Sixth Ave., No. 383, four-st'y brick dwell., internal alterations; cost, $3,000; owner, R. A. Gregory estate, 42 Park Pl., Brooklyn; architect, William Shears, 462 Lexington Ave.

East St., Nos. 39-49, six-st'y brick store-building raised to seven stories and internal alterations; cost, $3,600; owner, Henry E. Coe, 8 Fifth Ave.; architect, A. Belland, 38 Park Row.

Broadway, w s, opp. Wall St., extensive alterations to Trinity Church; cost, $100,000; owners, Corporation of Trinity Church; architect, R. M. Hunt, 154 Nassau St.

Cortlandt St., Nos. 39-41, five-st'y brick hotel, extensive alterations; cost, $10,000; owner, Monroe Taylor, 4 Gramercy Park; architect, W. H. Hornum, Jr., Morris Ave. and Elizabeth St.

Philadelphia, Pa. — *South Twenty-first St., No.* 503, new front; owner, P. Keenan, Fifty-first St. and Woodland Ave.

North Fourth St., No. 2218, new front; contractors, Steinmetz & Boorse, 2212 North Fifth St.

Christian St., No. 2049, interior alteration and two-st'y back building; contractor, Chas. L. Kates, Seventy-ninth St. and Brewster Ave.

Twenty-ninth and Master Sts., front alteration; owner, W. F. B. Roberts, on premises.

Hamilton St., alteration of dwell. to stable; owner, John W. Boughton, 1207 Chestnut St.

Warnock St., Nos. 2039-41, two new fronts; contractor, H. B. Rutter, 2329 Nassau St.

Poplar St., No. 1333, front alteration; contractor, Wm. P. Fogg, 114 North Thirteenth St.

North Nineteenth St., No. 108, interior alteration; contractors, Henderson & Co., 2003 Porcelain St.

Market St., No. 4062, front alteration; contractors, Charles Smith & Son, 4215 Haverford St.

Fifty-fifth St., n e cor. Lancaster Ave., alteration and addition to warehouse; owner, John Maguire, on premises.

Twenty-third St., s e cor. Locust St., front alteration; contractor, Thomas A. Lynch, 1619 North Fifteenth St.

Germantown Ave., No. 2706, front alteration; contractor, Jos. Parker, 2639 Germantown Ave.

Twentieth St., s w cor. Diamond St., front alteration and back building; contractor, G. C. Deitrich, 1930 Berks St.

Arch St., No. 626, two-st'y addition to warehouse; contractors, Wm Steele & Son, 506 Walnut St.

Ridge Ave., No. 1543, addition; contractor, J. W. Kline, 2253 Willington St.

Chestnut St., No. 1342, interior alteration; contractors, George W. Payne & Co., 401 South Juniper St.

North Second St., No. 2242, front alteration; contractor, Wm. Teclenburg, 1614 Cadwallader St.

Germantown Ave., No. 1731, new front; contractor, Wm. C. Wilkey, Ambler, Pa.

Lombard St., No. 1045, new front; contractors, Henderson & Co., 2003 Porcelain St.

Chestnut St., No. 924, one-st'y addition to building; contractor, H. J. Thurwanger, 828 Filbert St.

Otis St., No. 2316, one-st'y alteration and addition to slaughter-house; owner, George Schafer, 2312 Otis St.

Carpenter St., interior and exterior alterations; contractor, George Manderfield, 333 Marriott St.

North Nineteenth St., No. 18, front alteration; contractors, Jas. Wilson & Son, 1222 North Eleventh St.

West Girard Ave., No. 705, front and rear alterations; contractor, E. A. Roth, 1638 North Twenty-sixth St.

APARTMENT-HOUSES.

Brooklyn, N. Y. — *Third St.*, n s, 80′ e Fourth Ave., four-st'y brick apartment-house, tin roof; cost, $6,500; owner, James Maguire, 651 Union St.; architect, W. M. Coots, 26 Court St.

Chicago, Ill. — Conrad Grau, two-st'y flats, 1527 Wrightwood Ave.; cost, $2,600.

William Volk, flat, 710 Noble Ave.; cost, $1,600.

James Perry, 2 two-st'y flats, 213-215 Sacramento Ave.; cost, $3,000.

Gustav Reich, two-st'y flats, Evarts Ave., near Forty-fifth St.; cost, $1,400.

William Shoemaker, two-st'y flat, 13057 South Chicago Ave.; cost, $1,500.

J. G. Earle, 2 two-st'y flats, 296-296 Fifty-fourth St.; cost, $6,000.

J. G. Earle, 5 two-st'y flats, 5320-28 Monroe Ave.; cost, $15,000.

F. Herstraw, 2 four-st'y flats, 3565-71 Stanton Ave.; cost, $25,000.

Peter Wepshauger, two-st'y flats, 884 North Rockwell St.; cost, $2,400.

M. Schmidt, two-st'y flats, Wright and Seventy-ninth Sts.; cost, $1,900.

A. Wolf, two-st'y flats, 5033 Ashland Ave.; cost, $3,600.

J. Stiles Ely, four-st'y flats, 332-334 Franklin St.; cost, $23,000.

John Panos, three-st'y flats, 492 South Lincoln St.; cost, $4,000.

Frederick Remke, two-st'y flats, Forty-fourth and Tracy Sts.; cost, $1,800.

Matt Laughlan, two-st'y flat, Fifty-second St.; cost, $1,500.

Mrs. N. C. Martin, two-st'y flat, Addison St., near Seventieth St.; cost, $2,000.

James Fey, two-st'y flats, 1138 Nelson St.; cost, $1,800.

John Anderson, two-st'y flats, 15 Hamburg St.; cost, $2,500.

Stephen Maynard, 2 three-st'y flats, Sixty-fourth St., near Harvard Ave.; cost, $14,000.

Y. Feeney, two-st'y flats, 564 Hastings St.; cost, $2,400.

Frank Zuenzynski, two-st'y flat, 552 Holt St.; cost, $3,000.

Mrs. Baumgarten, two-st'y flat, 566 West Nineteenth St.; cost, $3,600.

Henry Yung, two-st'y flat, 486 Twenty-seventh St.; cost, $3,000.

Anglo Moner, two-st'y flat, 2163 West Harrison St.; cost, $2,000.

John Obus, two-st'y flat, Fifty-ninth and Peoria Sts.; cost, $2,500.

C. K. Smith, six-st'y flat, Indiana Ave. and Thirty-sixth St.; cost, $125,000.

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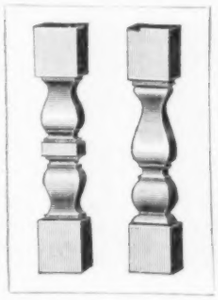

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BUILDING INTELLIGENCE.

Philadelphia, Pa. — *Broad St.*, n e cor. Spruce St., plans for an apartment-house have been made by J. D. Allen, architect, and contractors will soon be invited to estimate.

CHURCHES.

Baltimore, Md. — Corrugated iron church for the Third Christian congregation, w s Calhoun St., bet. Hollins and Lombard Sts.

Camden, N. J. — *Spruce St.*, n e cor. St. John St., the new Roman Catholic Church of SS. Peter and Paul was dedicated recently. The church is built of blue-gray stone; cost, $50,000; architect, Jeremiah O'Rourke, Newark, N. J.; contractors: Chas. Johnson, Camden; John T. O'Brien & Sons, Philadelphia; John Schaus, Camden; Philip I. Murphy, Camden; and John J. Melarky, New York, agent for Melvin, Clemens & Borderau, Angers, France.

Nashville, Tenn. — $60,000 will be expended in the building of an edifice for Elm St. Methodist congregation.

Philadelphia, Pa. — *Oak Lane and Tenth St.*, St. Martin's P. E. Church, foundation for church; cost, about $10,000.

Orthodox St., cor. Penn St., church and chapel; cost, about $13,000; owner, St. Luke's Reformed Episcopal Church, Frankford; architect, Frank R. Watson.

Seventh St. and Snyder Ave., ground was broken on Saturday, the 6th inst., for a new Baptist church; architect, J. Franklin Stuckert, 529 Walnut St.

FACTORIES.

Chicago, Ill. — American Cutlery Co., two-st'y factory, 191 Mather St.; cost, $5,000.

Detroit, Mich. — Detroit Spring and Steel Works, one-st'y iron manufactory, 821-833 Hubbard Ave.; cost, $4,800.

Malcomson & Co., one-st'y brick manufactory, 506-508 Pallister Ave.; cost, $8,000.

Philadelphia, Pa. — *Washington Ave.*, n s, w Twenty-second St., two-st'y factory; owners, Gillison, Christie & Co., 1615 Calhoun St.

Adams St., e s, n Unity St., one-st'y factory; owners, Horrocks & Bro., Frankford.

St. John St., No. 434, six-st'y factory; contractor, Thomas McCarty, 1935 North Seventh St.

Stanwick, N. J. — Brick carpet-factory, glass and tin roof, and brick engine-house; also a number of double cottages for the employés; owners, Stanwick Carpet Co.

HOSPITALS.

Boston, Mass. — *Stoughton St.*, near Albany St., Ward 18, four-st'y brick hospital, pitch roof, 48′ x 83.2′; *and East Concord St.*, cor. Albany St., four-st'y brick surgery, pitch roof, 43.8′ x 54.8′, for Massachusetts Homœopathic Hospital; builders, Connery & Wentworth.

HOTELS.

Salt Lake City, Utah. — *West Temple St.*, six-st'y stone and brick hotel; cost, $800,000; owners, syndicate; architects, Adler & Sullivan.

HOUSES.

Allston, Mass. — *Webster Ave.*, frame dwell., 29′ x 38′; cost, about $3,800; owner, S. B. Shapleigh; builder, A. E. Ellis; architect, Eugene L. Clark, Boston.

Baltimore, Md. — W. T. Flagg, 10 two-st'y brick buildings, w s Stockton St., n Riggs Ave.

Jacob C. Hildebrand, 13 two-st'y brick buildings, w s Stockton St., bet. Riggs Ave. and Winchester St.

F. Lowenspring, three-st'y brick building, w s Exeter St., near Douglas St.

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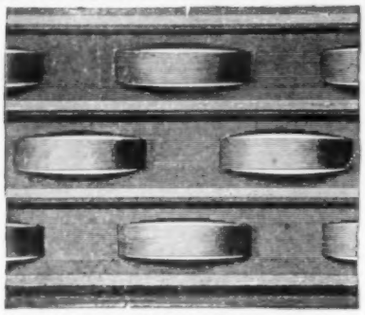

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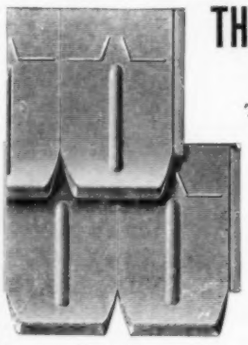

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BUILDING INTELLIGENCE.

Boston, Mass.— *Holmes Ave.*, near Topliff St., Ward 24, frame dwell., 25′ x 37′; owner and builder, W. Kellar.

Unnamed Pl., off Minot St., Ward 24, 2 four-st'y frame dwells., flat roofs, 20′ x 40′; owner, Thomas Stack; builder, G. W. Jackson.

Ashford St., near Linden St., Ward 25, three-st'y frame dwell., pitch roof, 65′ x 120′; owner, Mrs. L. Gerould; builder, Samuel Hano.

Morton St., opp. Fairmount St., Ward 24, frame dwell., 31.6′ x 48′; owner, Joseph May; builder, Benjamin Rose.

Bennington St., No. 444, Ward 1, three-st'y frame dwell. and store, flat roof, 20′ x 44.6′; owner, John Solier; builder, P. O. McCann.

Allston St., cor. Warren St., Ward 25, frame dwell., 19.4′ x 68.10′; owner, Lee Hammond; builder, R. L. Perry.

Western Ave., No. 78, Ward 25, three-st'y frame dwell., flat roof, 28′ x 38′; owner and builder, P. S. Hughes.

Beacon St., cor. Carleton St., block of four brick and stone dwells., four stories; steam-heating; architects, Lewis & Paine.

Sheridan St., near Centre St., Ward 23, frame dwell., 23′ x 50′; owner, J. V. Geitz; builder, V. Bock.

Bill St., No. 30, Ward 24, frame dwell., 26′ x 38′; owner, W. A. Spooner; builder, W. J. Jobling.

Roberts St., near Brookfield St., Ward 23, frame dwell., 21′ x 26.6′; owner and builder, T. Condon.

Brighton, Mass.— *Washington St.*, frame dwell., 34′ x 42′; hard-wood finish; cost, about $6,800; owner, Horace A. Jordan; builder, C. Leake; architect, Eugene L. Clark, Boston.

Brookline, Mass. — *Green St.*, two frame dwells., varying in plan and design; 13 rooms each; hard-wood finish; steam-heating; cost, about $7,500 each; architects, Lewis & Paine, Boston.

Brooklyn, N. Y.— *Stockton St.*, s s, 300′ w Sumner Ave., four-st'y frame dwell., tin roof; cost, $6,000; owner, Henry Roth, Graham Ave. and Meserole St.; architect, Th. Engelhardt, 905 Broadway.

Stockton St., n s, 225′ w Throop Ave., 2 three-st'y frame dwells., tin roofs; cost, $5,000 each; owner, J. Marsland, 1903 Broadway; architect, T. Kock, 441 Hancock St.

Monitor St., w s, 83′ 3″ s Van Cott Ave., 10 two-st'y frame dwells., tin roofs; cost, $1,375 each; owner and builder, Charles Engert, 182 Montrose Ave.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Ridgewood Ave., s s, 20′ e Essex St., 4 two-st'y frame dwells., tin roofs; cost, $2,000 each; owner, architect and builder, W. D. Losee, Elton St. and Arlington Ave.

Ralph Ave., s e cor. Bainbridge St., four-st'y brick dwell. and store, gravel roof; cost, $8,000; owners, Reilly & Timoney, 238 Lexington Ave.; architect, E. B. Langston, 1225 Bedford Ave.

Myrtle Ave., n s, 175′ e Throop Ave., 5 four-st'y brick dwells. and stores, tin roofs; cost, $55,000; owner, Geo. Straub, 809 Willoughby Ave.; architect, Th. Engelhardt, 905 Broadway.

Ridgewood Ave., s e cor. Essex St., three-st'y frame dwell., tin roof; cost, $4,000; owner, architect and builder, W. D. Losee, Elton St. and Arlington Ave.

Lorimer St., w s, 75′ s Meserole St., three-st'y frame dwell., tin roof; cost, $4,500; owner, Mrs. Illey; architects, D. Acker & Son, 952 Broadway.

Central Ave., e s, 22′ s Covert St., 3 three-st'y frame dwells., gravel roofs; cost, $4,500 each; owner, I. B. Booth, 716 Hancock St.; architect, Frank W. Ames, 1002 Halsey St.

St. James Pl., w s, 73′ s Fulton St., 2 five-st'y brick dwells., gravel roofs; cost, $8,000 each; owner, G. R. Brown, 26 Court St.; architect, J. S. Ashley, 621 President St.

Hart St., No. 720, bet. Central and Hamburg Aves., three-st'y frame dwell., tin roof; cost, $4,500; owner, Al Tummel, 714 Hart St.; architects, D. Acker & Son, 752 Broadway.

Hopkins St., No. 179, bet. Delmonico Pl. and Throop Ave., four-st'y frame dwell., tin roof; cost, $6,000; owner, N. Kerzner, 179 Hopkins St.; architects, D. Acker & Son, 752 Broadway.

Eighteenth St., n s, 140′ e Tenth Ave., three-st'y frame dwell., tin roof; cost, $3,500; owner, James Casey, Eighteenth St. and Tenth Ave.; architect, M. McCadden, 537 Eighteenth St.

Macon St., n s, 95′ w Howard Ave., 5 two-st'y brick dwells., tin roofs; cost, $4,500 each; owner, E. J. Ames, 1002 Halsey St.; architect, F. W. Ames, 1002 Halsey St.

Sutton Ave., s w cor. Van Cott Ave., 2 three-st'y frame dwells., gravel roofs; cost, $11,000; owner, James Sheridan, 479 Herkimer St.; architect, Fred Weber, 211 Manhattan Ave.

St. Mark's Ave., s s, 365′ e Vanderbilt Ave., 2 four-st'y brick dwells., tin roofs; cost, $6,500 each; owner, Erick Soderstrom, 686 Bergen St.; architect, W. H. Wirth, 358 Seventeenth St.

St. Mark's Ave., s s, 345′ e Vanderbilt Ave., four-st'y brick dwell., tin roof; cost, $6,000; owner, Erick Soderstrom, 686 Bergen St.; architect, W. H. Wirth, 358 Seventeenth St.

Forty-eighth St., s s, 280′ w Fifth Ave., 2 two-st'y frame dwells., tin roofs; cost, $2,000 each; owners, J. L. & G. W. Craig, 316 Forty-eighth St.; architect, George Walkenshow, Fortieth St., near Fourth Ave.

Sackman St., e s, 100′ n Eastern Parkway, 3 two-st'y frame dwells., tin roofs; cost, $2,000 each; owner, S. C. Wilson, 2499 Atlantic Ave.

Madison St., s s, 150′ w Hamburg Ave., 4 two-st'y frame dwells., tin roofs; cost, $2,500 each; owner and architect, E. F. Wildner, 1198 Madison St.

Seventeenth St., s s, 100′ e Ninth Ave., 12 three-st'y frame dwells., tin roofs; cost, $2,000 each; owner, Charles Hart, 710 Degraw St.

Warwick St., w s, 100′ s Arlington Ave., two-st'y frame dwell., tin roof; cost, $3,600; owner, F. H. Koenig, 2921 Atlantic Ave.; architects, Danmar & Fischer, 2921 Atlantic Ave.

Fiftieth St., n s, 100′ w Fourth Ave., two-st'y frame dwell., tin roof; cost, $3,000; owner, John Koski, 207 Fiftieth St.; architects, H. L. Spicer & Sons, Third Ave. and Fifty-third St.

Cooper St., n s, 80′ w Bushwick Ave., three-st'y frame dwell., tin roof; cost, $4,000; owner, E. E. Kelly, 713 Gates Ave.; architect, Henry Vollweiler, 486 Hart St.

Cooper St., n s, 100′ w Bushwick Ave., 2 three-st'y frame dwells., tin roofs; cost, $5,000; owner, E. E. Kelly, 713 Gates Ave.; architect, Henry Vollweiler, 486 Hart St.

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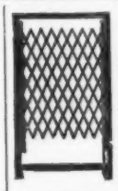

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Jefferson St., s s, 106′ w Bushwick Ave., three-st'y brick parsonage, tin roof; cost, $10,000; owner, German Evangelical Lutheran St. Mark's Church, Evergreen Ave. and Jefferson St.; architect, Th. Engelhardt, 905 Broadway.

Eighth Ave., e s, 28′ s Fifteenth St., 4 two-st'y brick dwells., tin roofs; cost, $16,000; owner, E. J. Bedell, 26 Court St.; architects, Parfitt Bros., 26 Court St.

Chicago, Ill.—J. H. Haaka, two-st'y dwell., 2505 Commercial Ave.; cost, $2,000.

A. A. De Creet, cottage, Ninety-fourth St., near Stony Island Ave.; cost, $1,000.

P. M. George, two-st'y dwell., 7029 Yale St.; cost, $3,500.

P. M. George, two-st'y dwell., 6949 Stewart Ave.; cost, $3,500.

P. M. George, two-st'y dwell., Maple St., near Princeton Ave.; cost, $4,500.

A. E. Kesler, two-st'y dwell., Chestnut St. and Wentworth Ave.; cost, $4,500.

John Beewas, cottage, Evanston Ave., near Graceland Ave.; cost, $2,300.

Thomas Foster, two-st'y dwell., 1523 Fulton St.; cost, $3,400.

F. F. Woodruff, two-st'y dwell., 4733-37 Champlain Ave.; cost, $9,000.

E. H. Morse, two-st'y dwell., 4804 Greenwood Ave.; cost, $40,000.

Frank Smith, two-st'y dwell., 1102-04 North Robey St.; cost, $2,600.

Templeton & Martin, two cottages, Howard St., near One Hundred and Sixty-third St.; cost, $1,800.

Henry Morgan, three cottages, Fifty-seventh St. and South Park Ave.; cost, $5,000.

Mrs. A. H. Kleinecke, two-st'y dwell., 916 Racine Ave.; cost, $1,700.

J. Roach, two-st'y dwell., 119 Hamlin Ave.; cost, $2,500.

Annie Beggen, cottage, 69 West Forty-first St.; cost, $1,500.

BUILDING INTELLIGENCE.

J. Goldhamer, cottage, 1033 Kedzie Ave.; cost, $1,600.

G. W. Cass, 2 two-st'y dwells., 1388.90 Bonney St.; cost, $4,000.

J. H. Martin, three cottages, 2535, 2545 and 2571 Thirty-eighth St.; cost, $2,400.

Adolph Larson, five cottages, 24-31 Bristow St.; cost, $7,000.

Cincinnati, O.—Frank Riehl, two-and-one-half-st'y dwell., Jefferson Ave.; cost, $2,500; architects, Rieg & Marty.

John Striker, owner and architect, two-st'y dwell., Purcell Ave.; cost, $2,500.

A. G. Boffinger, two-and-one-half-st'y dwell., Highland Ave.; cost, $6,000; architect, W. E. Nickles.

John Swably, two-and-one-half-st'y dwell., Neave St.; cost, $4,000; architects, G. & A. Brink.

Mrs. Sarah Louisa Hamilton, two-st'y dwell., May St.; cost, $10,000; architect, W. A. Otter.

August Rendigs, double two-st'y dwell., Spring St.; cost, $6,500; architects, Rice & McMillen.

John Voss, three-st'y dwell., Jefferson St.; cost, $3,500; architect, M. Meyer.

Wm. White, Son & Co., three-and-one-half-st'y dwell., State Ave.; cost, $4,500; architect, Theo. Richter, Jr.

Detroit, Mich.—Chas. H. Dings, double brick dwell., 317-319 Howard St.; cost, $8,500.

E. A. Walsh & Son, 4 three-st'y brick dwells. and stores, 516-522 Michigan Ave.; cost, $18,000.

Malcomson & Co., double frame dwell., 390-392 Trumbull Ave.; cost, $4,000.

F. R. Hawley, frame dwell., 73 Green St.; cost, $3,300.

J. I. Currie, frame dwell., 850 Trumbull Ave.; cost, $3,000.

W. H. Hollands & Son, brick dwell., 168 Warren Ave., west; cost, $6,000.

J. Black, three frame dwells., 1193, 1195 and 1199 Russell St.; cost, $6,500.

BUILDING INTELLIGENCE.

Charles Delling, frame dwell., store and barn, 270 Meldrum Ave.; cost, $3,500.

Thos. M. Cattel, two frame dwells., 304-308 Putnam Ave.; cost, $3,600.

Charles Ward, two double frame dwells., 139-141 and 193-193 Fifteenth St.; cost, $3,600.

G. Vivier, brick dwell., 732 Cass Ave.; cost, $3,600.

Devon, Pa.—Frank Miles Day, architect, Philadelphia, is supervising a dwell. for Mr. Patterson.

Edgeworth, Pa.—Frame dwell., 40′ x 50′; owner, Mr. Smith; contract to be let; architects, Longfellow, Alden & Harlow, Boston.

Hingham, Mass.—Frame dwell., 53′ x 65′; owner, John F. Andrew; contract to be let; architects, Longfellow, Alden & Harlow, Boston.

Lyndonville, Vt.—Frame dwell., 39′ x 47′; hard-wood finish; cost, about $8,000; owner, C. S. Le Bourveau, Jr.; builder, Lyman Whipple, Lebanon, N. H.; architect, Eugene L. Clark, Boston.

Milton, Mass.—Frame dwell., 40′ x 110′, with stable, 37′ x 58′; owner, C. Minot Weld; builder, Wm. Tobin; architects, Longfellow, Alden & Harlow, Boston.

Newport, R. I.—*Renfrew Park*, 36 frame cottages, each about 36′ x 40′, with broad piazzas; a casino in a hollow square, 70′ x 125′, the average depth of the building to be about 40 feet; a club stable and a number of private stables in one group, to be used by occupants of the cottages; the cottages will be arranged so as to have a view of the ocean; the park has an area of 563 x 1,125 feet; owner, J. B. Kendall; contracts to be let; architect, H. Langford Warren, Boston.

Newton Centre, Mass.—*Cypress St.*, frame dwell., 28′ x 38′; cost, about $5,000; owner, Chas. Everett; builder, R. J. Flewelling; architect, Eugene L. Clark, Boston.

New York, N. Y.—*One Hundred and Twenty-sixth St.*, s s, 100′ w Amsterdam Ave., three-st'y brick dwell., tin roof; cost, $11,000; owner, Mrs. John Ingbrand, n e cor. Amsterdam Ave. and Manhattan St.; architect, George Keister, 55 West Thirty-third St.

Eighty-second St., s s, 100′ e Amsterdam Ave., 3 three-st'y brick dwells., tin roofs; cost, $45,000; owners, Wessels & Bradley, 438 West Forty-eighth St.; architect, G. A. Schellinger, 828 Broadway.

Philadelphia, Pa.—*Melrose*, on North Pennsylvania R. R., dwell.; cost, about $7,000; owner, R. J. Thompson.

H. A. Lippincott, dwell.; cost, $5,000.

Jackson St., n s, w Fourth St., 2 two-st'y dwells.; owner, James Lilly, 2215 South Sixth St.

Lehman St., e s, s Morris St., 2 two-st'y dwells.; contractor, D. P. Bruner, 4820 Morris St.

Meehan St., n s, e Main St., 2 two-st'y dwells.; contractor, Eli Leach, 4737 Hancock St.

Tenth St., e s, s Susquehanna Ave., 3 two-st'y dwells.; owner, John M. Sharp, 1836 South College Ave.

Chestnut St., No. 5438, two-st'y dwell.; owner, George McKeron, 5436 Chestnut St.

Avenue F, n s, bet. Seventy-seventh and Seventy-eighth Sts., two-st'y dwell.; owner, W. H. Bowman, Clearview, bet. Seventy-seventh and Seventy-eighth Sts.

Jefferson St., n s, w Front St., 2 three-st'y dwells.; contractor, G. W. Haws, 2013 Brown St.

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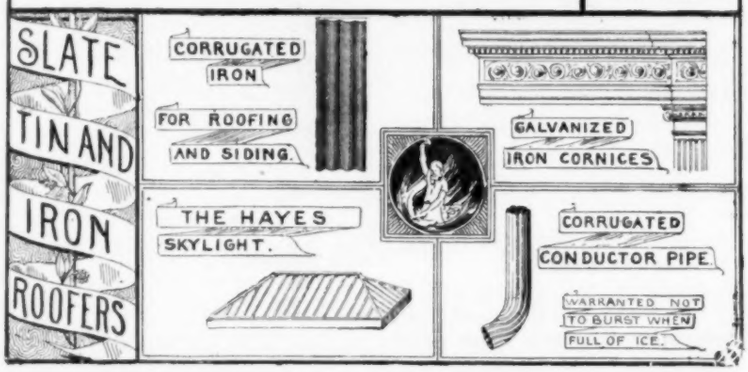

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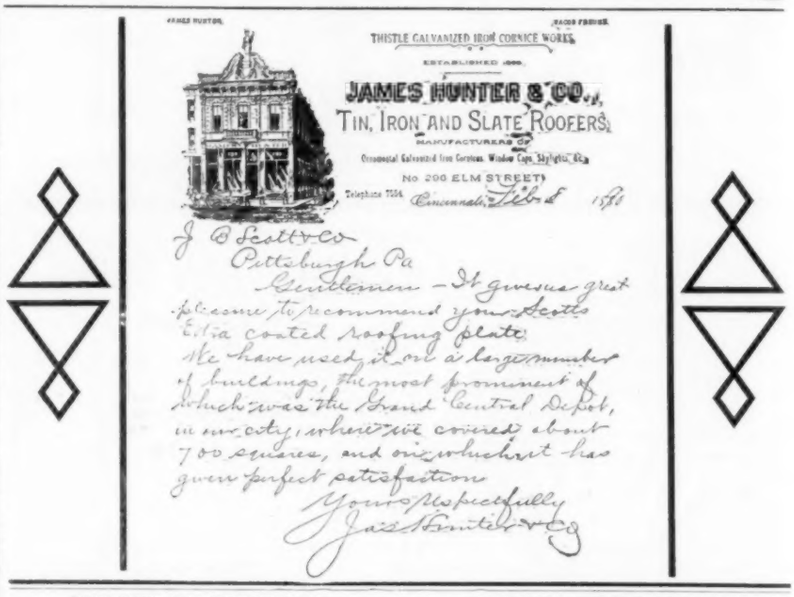

BUILDING INTELLIGENCE.

Eighth St., w s, s Cambria St., 31 two-st'y dwells.; *Somerset St.*, n s, w Eighth St., 6 two-st'y dwells.; owner, John M. Sharp, 1936 South College Ave.

Wingohocking Ave., e s, n Adams St., 2 two-st'y dwells.; contractor, Richard Smith, 1655 Foulkrod St.

Eastwick St., s s, near Eighty-second St., dwell.; contractor, Charles S. Kates, Seventy-ninth St. and Brewster Ave.

Olney St., s s, w Fifth St., two st'y dwell.; owners, W. R. Bradford & Son, 1337 Bishop St.

Ward St., e s, n Moore St., 19 two-st'y dwells.; owner, Timothy Gallagher, 1929 Dickinson St.

Nineteenth St., n Bainbridge St., three-st'y dwell.; contractor, M. Kennedy, 626 South Nineteenth St.

Frankford Ave., No. 3158, three-st'y dwell.; owner, J. W. Fallbright, 2430 Frankford Ave.

French St., n s, e Tenth St., 10 two-st'y dwells.; owner, John M. Sharp, 1936 South College Ave.

Weikel St., e s, n Venango St., two-st'y dwell.; owner, Ben Hendley, on premises.

Fleason St., n s, w Tibben St., two-st'y dwell.; owner, Philip Gruder, Fleason St.

Stiles St., n s, w Fifty-first St., 2 two-st'y dwells.; contractor, Daniel McGarry, 708 North Forty-eighth St.

Belmont Ave., e s, n Lancaster Ave., three-st'y dwell.; owner, Nicholas Cavanagh, 351 North Fortieth St.

Pittsburgh, Pa. — *East End*, brick dwell., three stories, 30′ x 90′; owner, Mr. Stevenson; contract to be let; architects, Longfellow, Alden & Harlow, Boston.

Worcester, Mass. — *Orient St.*, three-st'y frame dwell.; owner, Omer Davis; contractor, Levi Harper.

Clover St., frame dwell.; owner, P. Bordeaux; contractor, T. Wilding.

Clover St., frame dwell.; owner, T. Arroguier; contractor, T. Wilding.

Florence St., two-st'y frame dwell.; owner, Miss R. Jones; architect, Stephen C. Earle; day-work.

OFFICE-BUILDINGS.

Chicago, Ill. — Armour & Co., two-st'y office, Center Ave. and Forty-third St.; cost, $2,500.

Philadelphia, Pa. — *Salmon St.*, e s, n Lefevere St., one-st'y office; owners, George L. Gillingham & Bro., 4504 Richmond St.

Chew St., n s, e Church St., one-st'y office; owner, Thomas Meehan, Chew St.

Susquehanna Ave., n s, w Tenth St., one-st'y office; owner, Charles E. Bertolet, 964 North Eighth St.

Salt Lake City, Utah. — *Second South St.*, s w cor. West Temple St., six-st'y stone and brick office-building; cost, $300,000; owner, T. E. Dooley; architects, Adler & Sullivan.

Second South St., n w cor. West Temple St., six-st'y stone and brick office-building; cost, $200,000; owners, Kelsey & Gillespie; architects, Mendelshon, Fisher & Lawrie.

RAILROAD-BUILDINGS.

Chicago, Ill. — Chicago South Side Rapid Transit Co., five station-houses, Twenty-sixth, Twenty-ninth, Thirty-first, Thirty-third and Thirty-fifth Sts. and State St. Alley; cost, $75,000.

STABLES.

Brooklyn, N. Y. — *Meserole St.*, n s, w Waterbury St., two-st'y brick stable, gravel roof; cost, $5,000; owner, Charles Frese, Scholes St., near Bushwick Ave.; architect, Th. Engelhardt, 905 Broadway.

Chicago, Ill. — W. H. Keough, two-st'y barn, 4348 Drexel Boulevard; cost, $2,400.

J. E. Crates, three-st'y stable, 1359 Central Park Ave.; cost, $1,500.

Detroit, Mich. — Vinton & Co., double brick barn, 931-933 Jefferson Ave.; cost, $4,000.

Milton, Mass. — Frame stable, 37′ x 58′; owner, C. Minot Weld; builder, Wm. Tobin; architects, Longfellow, Alden & Harlow, Boston.

BUILDING INTELLIGENCE.

Newport, R. I. — *Renfrew Park*, a number of frame stables, including a club stable, in one group; to be used by the occupants of the cottages on the Park; owner, J. B. Kendall; contracts to be let; architect, H. Langford Warren, Boston.

New York, N. Y. — *One Hundred and Twenty-sixth St.*, s s, 100′ w Amsterdam Ave., two-st'y brick stable, tin roof; cost, $3,500; owner, Mrs. John Ingerbrandt, n e cor. Amsterdam Ave. and Manhattan St.; architect, George Keister, 55 West Thirty-third St.

Seventy-second St., n s, 30′ w Lexington Ave., five-st'y brick and stone stable; cost, $75,000; owner, Lorenz Weiher; architect, L. Weiher, Jr.

Pittsfield, Mass. — Guilds & Co., two-st'y frame barn; contractor, C. E. Merrill.

Philadelphia, Pa. — *Hoffmann St.*, s s, w Sixty-one-and-one-half St., two-st'y stable; owner, Wm. E. Smith, 5423 Wyalusing Ave.

Germantown Ave., w s, s Bristol St., one-st'y stable; owner, Dr. Cox, Eighteenth St. and Germantown Ave.

Ninth St., e s, n Tioga St., two-st'y stable; owner, Anton Amann, Ninth St., n Tioga St.

Thompson St., e s, n Geisler St., stable; owner, Charles E. Heinemann, 2730 East Allegheny Ave.

Kelton St., e s, n Race St., two-st'y stable; contractor, Philip Halbach, Twenty-sixth and Thompson Sts.

Buist Ave., n Seventy-sixth St., two-st'y stable; owner, Fred Urian, Seventy-sixth St. and Buist Ave.

Frankford Ave., Nos. 1232-34, two-st'y stable; contractor, W. A. Morgan, 2654 Tulip St.

Carlisle St., e s, n Norris St., two-st'y stable; owner, Wm. S. Stokley, Public Buildings.

Green St., n s, w Roberts Ave., two-st'y stable; contractor, H. O. Smith, 1695 Erie Ave.

Ruscomb St., s s, w Newbold St., one-st'y stable; contractor, John Priestley, 1803 Juniata St.

Freeland St., e s, s Levering Ave., two-st'y stable; contractor, Otto Miller, cor. Martin and Pechin Sts.

Buist St., e Eighty-third St., one-st'y stable; owner, H. J. Patton, on premises.

Bustleton Pike and Welsh Road, one-st'y barn; contractor, Rush Taylor, Bustleton.

STORES.

Boston, Mass. — *Dorchester Ave., No.* 1434, Ward 24, one-st'y frame store, flat roof, 16′ x 50′; owner, J. E. Robinson, Jr.; builder, F. E. Reed.

Brooklyn, N. Y. — *Knickerbocker Ave.*, e s, 25′ n DeKalb Ave., three-st'y frame store and dwell., tin roof; cost, $5,000; owner, A. Keppler, 103 Ralph Ave.; architect, Frank Holmberg, 1161 Broadway.

Knickerbocker Ave., e s, 50′ n DeKalb Ave., three-st'y frame store and dwell., tin roof; cost, $5,000; owner, A. Keppler, 103 Ralph Ave.; architect, Frank Holmberg, 1161 Broadway.

Central Ave., s e cor. Covert St., three-st'y frame store and dwell., gravel roof; cost, $3,500; owner, I. B. Booth, 716 Hancock St.; architect, F. W. Ames, 1002 Halsey St.

Siegel St., n s, 100′ e Ewen St., four-st'y frame store and dwell., tin roof; cost, $12,000; owner, Morris Gaulen, 83 Siegel St.; architect, Th. Engelhardt, 905 Broadway.

Chicago, Ill. — A. F. Shuman, three-st'y store and flats, 271-273 Van Buren St.; cost, $20,000.

J. C. Deckoe, 4 two-st'y stores, 69-71 North Green St.; cost, $6,000.

Moore Bros., two-st'y stores and flats, Sixty-seventh and State Sts.; cost, $15,000.

Edward P. Mehlin, four-st'y store and flats, Forty-seventh St. and Centre Ave.; cost, $16,000.

August Krueger, store and dwell., 3358 Oakley Ave.; cost, $3,000.

L. Spofford, three-st'y store and flats, 706 West Polk St.; cost, $4,000.

H. H. Fuller, 3 two-st'y stores, Sixty-third St. and Cottage Grove Ave.; cost, $3,000.

Perley Hale, 2 three-st'y stores and flats, 5646-48 Halsted St.; cost, $12,000.

E. H. McDonald, three-st'y store and flats, 154 Colorado St.; cost, $5,500.

Willard P. Atward, 3 three-st'y stores and flats, 520-524 Western Ave.; cost, $7,000.

B. S. Secord, two-st'y store and flat, 6850 South Chicago Ave.; cost, $3,000.

New York, N. Y. — *East Forty-eighth St., No.* 303, brick store-building, tin roof; cost, $3,000; owner, Joseph Kalisch, 50 West Thirty-sixth St.; architect, Oswald Wirz, 158 Fourth Ave.

Thirty-seventh St., n s, 60′ w Sixth Ave., three-st'y brick store, tin roof; cost, $13,000; owner, Wm. S. Ridabeck, 37 West Seventy-third St.; architect, George H. Griebel, 245 West One Hundred and Twenty-fifth St.

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DECORATIVE BRONZE WORK.

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BUILDING INTELLIGENCE.

Catharine St., n e cor. Bleecker St., six-st'y brick store, tin roof; cost, $75,000; owner, C. M. Cammayer, 28 West Tenth St.; architect, Charles Rentz, 153 Fourth Ave.

Philadelphia, Pa.—*Thompson St.*, e s, n Geisler St., store; owner, Charles E. Heinemann, 2730 East Allegheny Ave.

Salt Lake City, Utah.—*South Temple St.*, five-st'y brick store-building; cost, $80,000; owners, Clark, Eldridge & Co.; architect, R. Bowman.

South Temple St., six-st'y brick store-building; cost, $100,000; owner, H. Dinwoody; architect, R. Bowman.

WAREHOUSES.

Chicago, Ill.—Anglo-American Provision Co., warehouse, killing-house, packing-house and additions, Packer's Ave. and Thirty-ninth St.; cost, $15,000.

Philadelphia, Pa.—*Swanson St.*, w s, n Washington Ave., one-st'y warehouse; contractor, Thos. A. Lynch, 1619 North Fifteenth St.

MISCELLANEOUS.

Camden, N. J.—*Pine St., No.* 516, Turn-Halle, gymnasium and banquet-room; cost, $12,000; President, Herman T. Fuchs.

Chicago, Ill.—National Hollow Brake Beam Co., two-st'y foundry, 1053 School St.; cost, $5,000.

Armour & Co., seven smoke-houses, Forty-third St., near Center Ave.; cost, $3,500.

United States Brewing Co., ice-house, 302 Johnson St.; cost, $1,500.

Adolph F. Bergsted, two-st'y club-house, 174 Evergreen Ave.; cost, $7,000.

Detroit, Mich.—Martin Scholl & Sons, four-st'y brick brewery, 400 Howard St.; cost, $6,000.

Philadelphia, Pa.—*Avenue F*, e s, n Eightieth St., two-st'y back building; contractor, Thos. Himmelwright, Seventy-ninth St. and Buist Ave.

Seventy-first St., e s, s Elmwood Ave., two-st'y back building; owner, Augustus Cardineau, on premises.

Linden St., n s, w Jefferson St., two-st'y back building; contractor, Frank Gillett, cor. Ripka and Mansion Aves.

Broad St., e s, n Columbia Ave., one-st'y hothouse; owner, Sylvester Wunder, Eighteenth St. and Erie Ave.

Gaul St., n e cor. Cumberland St., one-st'y foundry, core-works and office; contractor, Philip Haibach, Twenty-sixth and Thompson Sts.

BUILDING INTELLIGENCE.

Hamilton St., s s, from Sixteenth to Seventeenth Sts., four-st'y machine-shop; owners, Wm. Sellers & Co., Sixteenth and Hamilton Sts.

Hazel Ave., n s, w Sixtieth St., one-st'y shop; owner, Michael Cusick, 6003 Hazel Ave.

Thirty-eighth St., s Market St., one-st'y post-office building; contractor, John W. Leamy, 523 South Forty-second St.

East Susquehanna Ave., No. 2003, one-st'y back building; contractor, J. M. Buchanan, 1618 Vienna St.

Berks St., s s, e Hancock St., one-st'y wagon-shed; owner, George Doring, 2040 Hancock St.

East Chelten Ave., No. 546, one-st'y back building; owner, James Turner, on premises.

Lancaster Ave., s s, e Monroe Ave., one-st'y smith-shop; contractor, Lewis Kirk, 5422 Haverford Ave.

John T. Windrim, Esq., has introduced a scholarship into the Windrim office, making restrictions as to eligibility, providing that the one who secured the highest general average for free-hand drawing, water-color sketching, clay-modelling and drawing in architecture should win a three months' trip in foreign lands, to report by letters and drawings every two weeks.

A new club-house will soon be built by the Caledonian Club.

Marshall St., No. 1435, two-st'y back building; contractor, Harry Newton, 1123 State St.

Dunton St., No. 1136, one-st'y kitchen; owner, Wm. Culbertson, on premises.

University of Pennsylvania, brick and terra-cotta library-building; cost, about $180,000; architect, Frank Furness, of Furness, Evans & Co.

Salt Lake City, Utah.—*West Temple St.*, four-st'y stone and brick building; cost, $60,000; owners, *Tribune* Publishing Co.; architect, H. Monheim.

Saratoga Springs, N. Y.—Frame club-house, 40′ x 60′; grand stand, with seating-capacity of 3,000, and betting-ring, for the Saratoga Racing Association; architect, H. Langford Warren, Boston.

PROPOSALS.

PROPOSALS FOR IRON-WORK. Office of Building for Library of Congress, No. 145 East Capitol Street, Washington, D. C., January 15, 1891. Sealed proposals for furnishing, delivering and putting in place complete the wrought-iron frame and cast-iron

(*Continued on page* xxiv.)

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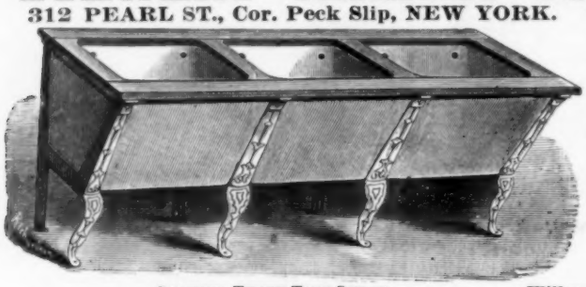

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Will not absorb, leak or decay.

The only Solid White Crockery Wash-tub ever made in the world. Do not buy imitations until you see the genuine "Morahan's Patent," stamped on the front of every tub. Wash-board and Soap-cup moulded in every set. Will outlast any house.

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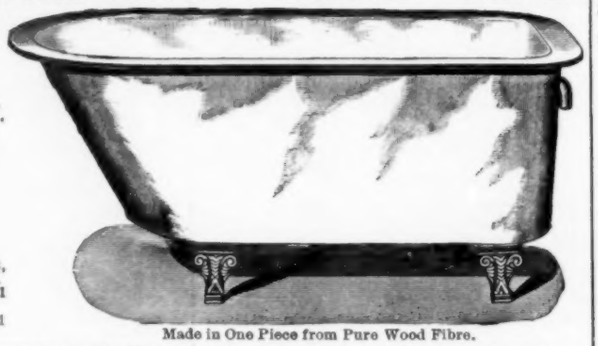

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PROPOSALS.

Bower-Barffed work for the three main book-stacks for the Building for the Library of Congress, in this city, will be received at this office until 2 o'clock P. M. on Tuesday, the 17th day of February, 1891, and opened immediately thereafter in presence of bidders. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application at this office. BERNARD R. GREEN, Superintendent and Engineer. 788

IMPROVED SEWERAGE SYSTEM.

[At Providence, R. I.]

DEPARTMENT OF PUBLIC WORKS,
PROVIDENCE, R. I., January 20, 1891.

Sealed proposals will be received at this office **until 12 o'clock, noon, Thursday, February 12, 1891,** for building the outlet portion of Section 1, and for building Section 2 of the "Improved Sewerage System" of the city of Providence, in accordance with the form of contract and specification to be furnished by the Commissioner.

All proposals must be made upon the blank forms which will be furnished for the purpose.

The work is approximately indicated as follows:

	Length in feet.	Size.	Average depth of cutting.	cubic yards masonry.
Sec. 1	720	Double line 48-in. cast-iron pipe.	25 feet.	
Sec. 2	530	doub. 86½ x 94 in.		
	1525	110 in. circ.	22 feet.	6640
	450	110 in. and 28 in. x 42 in.		

Plans may be seen and specification and form of contract can be obtained at the office of the City Engineer in Providence.

Each bidder is requested to give reference as to his business standing, and to state generally what experience he has had in such work as here proposed.

No bid will be considered unless accompanied by a certified check for the sum of one thousand dollars.

A satisfactory bond for a sum equal to about one-third of the estimated amount of the contract, conditioned upon the faithful performance of the contract, will be required of the successful bidder.

The right to reject any or all proposals is reserved.

JOHN A. COLEMAN,
789 Commissioner of Public Works.

United States Commission of Fish and Fisheries, Washington, D. C., January 13, 1891. — Readvertisement. — Sealed proposals will be received at this office until 12 o'clock, noon, of February 16, 1891, at which time they will be opened in the presence of attending bidders, for the construction of two buildings on the property of the United States Fish Commission at East Orland, Me. The right is reserved to reject any or all bids or parts of bids. Specifications, plans, blank proposals and full information will be furnished on application to the postmasters at Bangor, Bucksport and Ellsworth, Me., respectively. Marshall McDonald, Commissioner. 788

"January 19, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M.

PLUMBING.

HENRY HUSSEY & CO., 79 Kingston St., Boston.

Public and Private buildings examined and put in thorough condition. Plans, specifications and estimates furnished for city and country work on application.

PROPOSALS.

on the 12th day of February, 1891, for all the labor and materials required for the stone and brick masonry of the superstructure, also for the iron floor, ceiling and roof construction, floor-arches, etc., for the United States Custom-house and Post-office building at Eastport, Me., in accordance with the drawings and specifications, copies of which may be had on application at this office or the office of the Superintendent at Eastport, Me. The bids for each branch of the work must be accompanied by a certified check for $200. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Each proposal must be enclosed in an envelope sealed and marked "Proposal for Stone and Brick Work of Superstructure," or "Iron Floor and Ceiling and Roof Construction, etc.," as the case may be, "for the United States Custom-house and Post-office building at Eastport, Me.," and addressed to JAS. H. WINDRIM, Supervising Architect. 788

January 16, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 11th day of February, 1891, for all the labor and materials required for the approaches to the United States Court-house, Post-office, etc., building at Charlotte, N. C., in accordance with the drawing and specification, copies of which may be had on application at this office or the office of the Superintendent at Charlotte, N. C. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Approaches to the United States Court-house, Post-office, etc., building at Charlotte, N. C.," and addressed to JAS. H. WINDRIM, Supervising Architect. 788

January 17, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 10th day of February, 1891, for all the labor and materials required to build an annex to the building and completion of the approaches to the United States Post-office, etc., at Brooklyn, N. Y., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Brooklyn, N. Y. Each bid must be accompanied by a certified check for $500. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for Building Annex and Completion of Approaches to the United States Post-office, etc., building at Brooklyn, N. Y.," and addressed to JAS. H. WINDRIM, Supervising Architect. 788

COL. GEORGE E. WARING, JR., C. E. etc., in his recent work on Sewerage and Land Drainage, in speaking of traps liable to siphonage, says: "the best remedy would be to supply the defective traps at their summits with McClellan's Mercury Seal-Trap Vent, a perfectly safe device, of little cost, simple and easy of application, and sure to supply air when needed."

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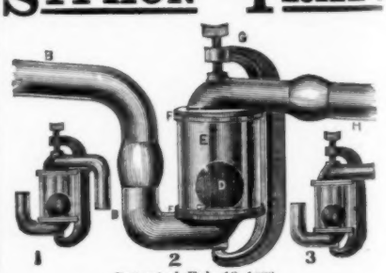

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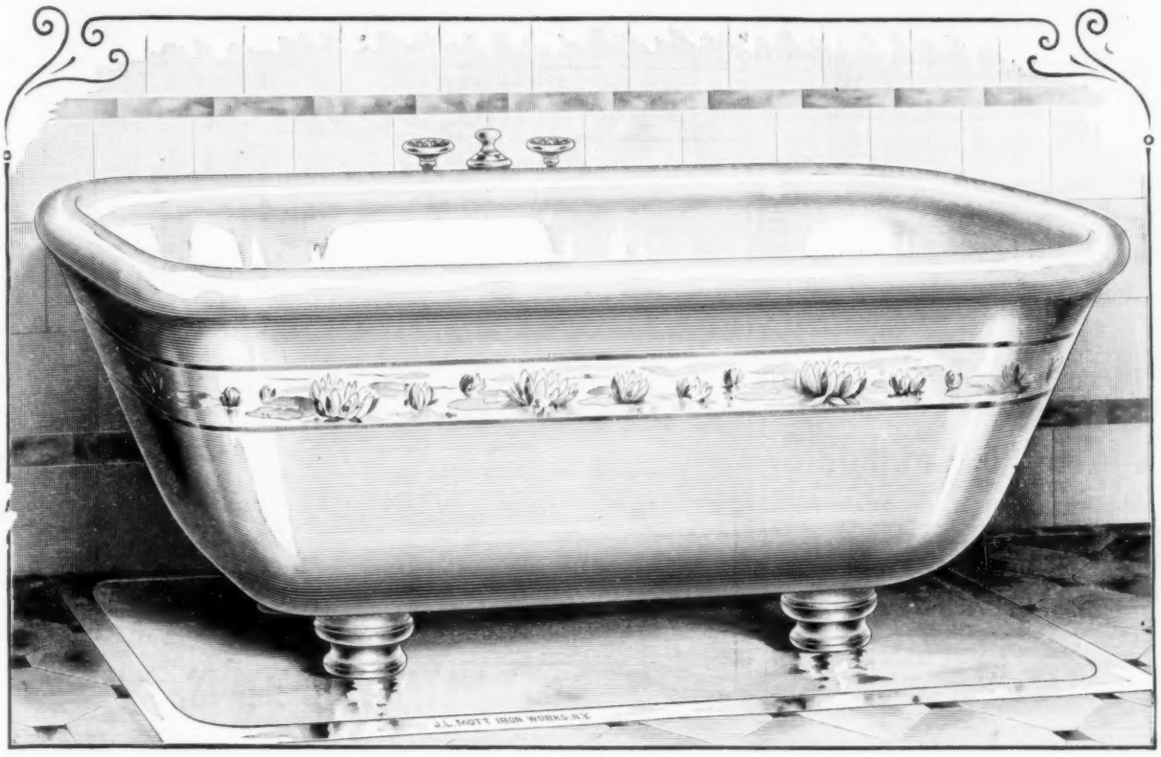

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With Supply and Waste Fittings, and Marble Legs. The Bath, as shown, is Decorated Outside, in Ivory with Pond Lilies; also furnished Glazed Outside.

[*See Alphabetical Index on page VII for Pagination.*]

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Howard Fleming, New York. (cow)
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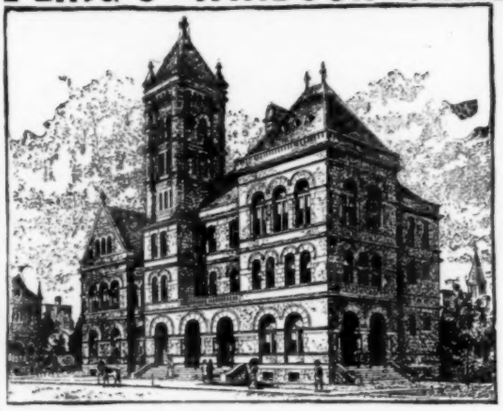

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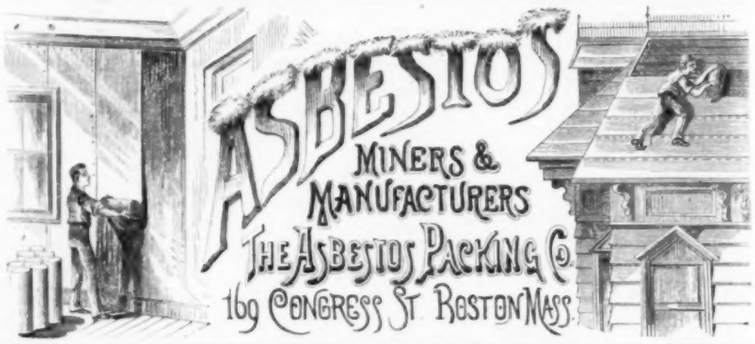

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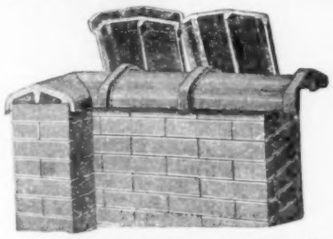

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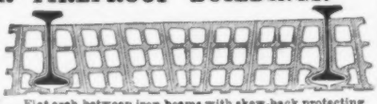

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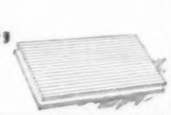

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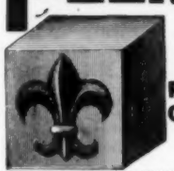

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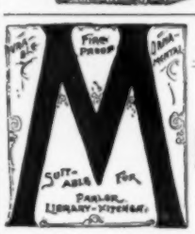

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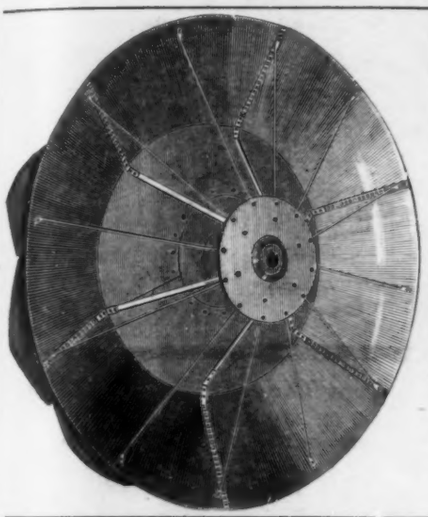

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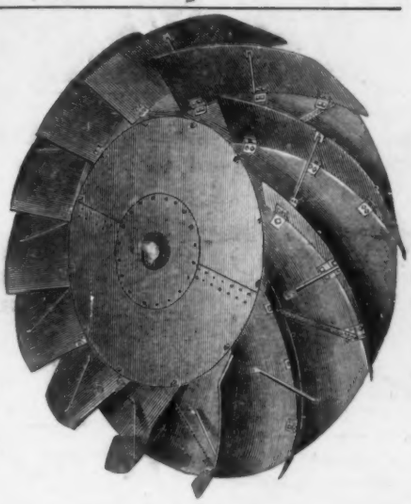

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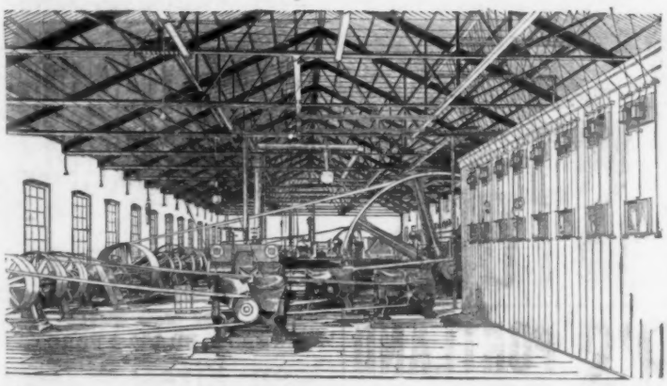

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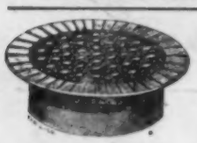

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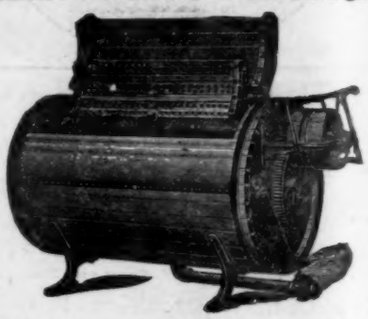

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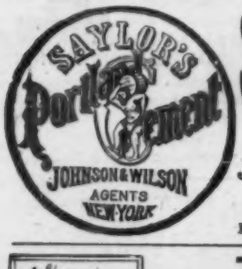

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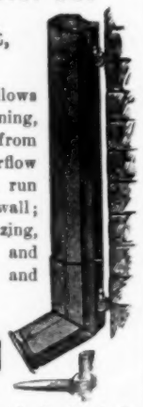

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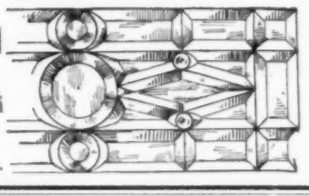

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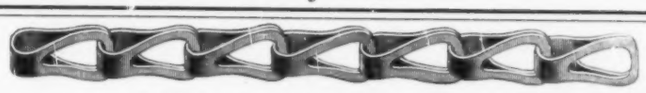

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LUMBER.—₱ M.				
Boards: (*Ordinary dimensions.*)				
Pine, 1st quality, clear	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 40 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 30	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 25 @ 2 30	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ M	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 60	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" 835 @ 40
Cedar, split ₱ M	@	@	*Not sold.*	24" 8 @ 21
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	30" 35 @ 14
Cypress. Split...7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Common	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	4 @ 1 25
Chestnut "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. (*First Qual. [Kiln-dried.]*)				
Ash	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	80 00 @ 120 00	80 00 @ 100 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 55 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ₱ ft	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 17 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	50 @ 45 00

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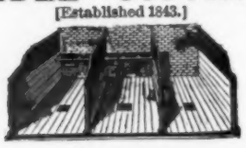

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Reported for the American Architect and Building News.

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BRICK.—₱ M.		*Prices to Builders and Contractors.*		
Common: *Cargo afloat.*				In Yard.
Pale	3 00 @ 3 50	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 9 00
Jersey	5 00 @ 6 00			" @ 7 0
Long Island	6 00 @ 6 25	Bay State Hard 8 00 @ 9 00		Salmon 5 0
Up River				Sq. " @ 00
Haverstraw Bay 2nd	6 00 @ 6 25	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Light Stretchers @ 10 00
" 1st	6 25 @ 6 50	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Medium " @ 12 00
Hollow	@ 13 00	Philadelphia 40 00 @ 45 00		Red " @ 13 00
Fronts		Phila. mould 50 00 @ 80 00		Dark " @ 13 00
Croton, Brown	@ 13 00		15 00 @ 27 00	Pressed 18 00 @ 20 00
" dark	@ 14 00	Anderson 14 00 @ 32 00	65 00 @ 350 00	Best Paving @ 14 00
" red	@ 14 00		45 00 @ 85 00	Second " @ 13 00
Chicago pressed (Anderson)			45 00 @ 50 00	Third " @ 12 00
Chicago Moulded			25 00 @	
Baltimore	37 00 @ 41 00		60 00 @ 100 00	
Philadelphia	23 00 @ 24 00		30 @	
Trenton	22 00 @ 23 00		35 @	
Milwaukee			55 00 @ 65 00	
Moulded:				
Glens Falls Red Pressed	@ 37 00		@ 100 00	Dom. @ 68 @ 88
" " Buff "	@ 30 00		@ 120 00	
" " Moulded Red & Buff	45 00 @ 70 00			
Enamelled: *Imp.*				
Enamelled (edge.)	85 00 @ 100 00			
Enamelled (edge and end)	90 00 @ 115 00			
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	1 10 @ 1 25	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co 2 60 @ 3 00	1 05 @ 1 30	B S & Co 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" (Burham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Josson
" " (Lagerdofer)	@	2 55 @ 3 0	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not Sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	11 50	9 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime
Hydraulic Lime	@ 1 45	@ 1 35		25 @ 30 ₱ bush
Chicago Lime in bulk		St. ohn 1 00	55 @	White Mash
Wisconsin "			60 @	1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 90	@ 1 05	*Not sold.*	1 00 @ 1 06
Rockland and Rockport, finish	@ 1 10	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing "	@ 1 05	*Not sold.*	*Not sold.*	*Not sold*
Plaster of Paris (calcined.)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ bush	16 @ 18	25 @ 30	20 @ 25	20 @ 25
" (Goat)	20 @ 22	@ 30	30 @ 35	30 @ 36
Sand, ₱ load	1 00 @ 1 25	1 75 @ 1 90	@ 50	@ 1 50
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)		@ 60		55 @ 65
Limestone:	45 @ 1 25			
Bedford	1 00 @	90 @ 1 00	50 @	75 @ 90
Joliet	@		35 @ 55	Richmond
Lemont	@		@ 60	75 @ 1 50
Serpentine	@	10 50 per ton	@ 1 00	4 50 ₱ Perch

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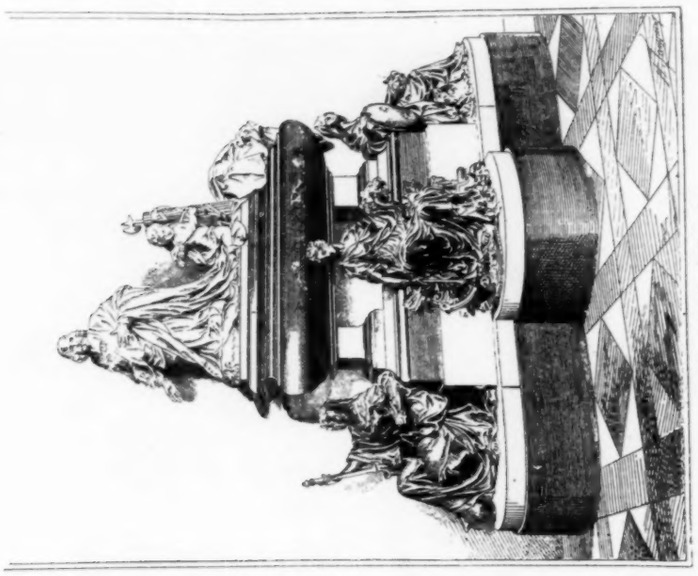
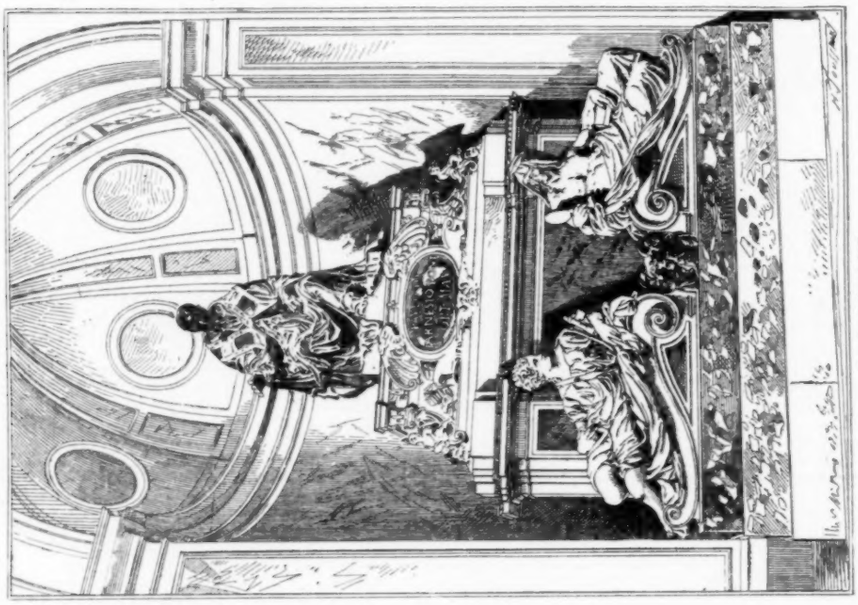
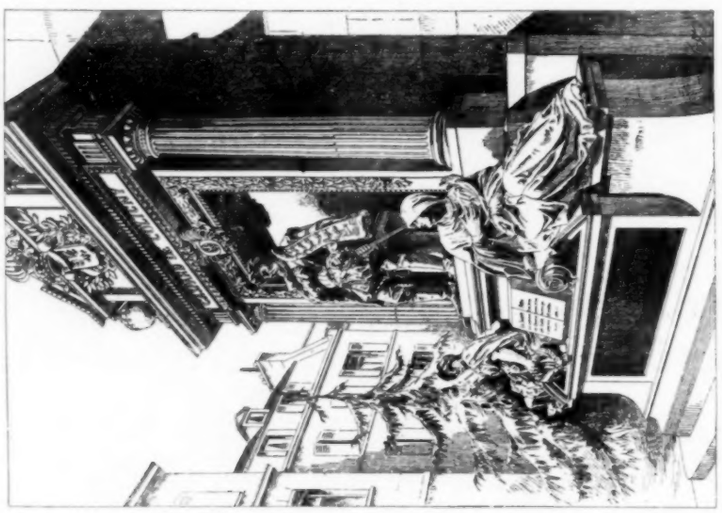


Tomb of Cardinal Mazarin.



Tomb of Paul III.



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Mortar Colors.				
Black, brown, buff ℔ lb.	@ 2½			
Colorific ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	℔ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (℔ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	75	50 @ 1 00	37 @ 50
Sandstone,				
Longmeadow	@ 80	80 @ 90		} 95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	} 55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle. English	@ 1 05	@ 1 05		95 @ 1
Corse Hill (Scotch)	1 05	1 05		
Marble (℔ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not sold.*	2 00 @ 2 50
Rutland, white and Blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	350 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate: Roofing (℔ *square*)				
" green	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" purple	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" red	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
" " Chapmans	— —	@	7 30 @ 8 00	4 00 @ 4 65
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am. ℔ M	@		*Not sold.*	@ 25 00
N. Peach Bottom, warranted unfading	@	@	@	6 00 @ 6 75
PAINTS. (*In oil,* ℔ *lb.*)				
White lead, Am.	@ 7½	7½ @ 7½	6½ @ 7	@ 7½
" Zinc, "	5 @ 8½	7½ @ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	7½ @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermilion	65 @ 70	75 @ 80 dry	65 @ 68	Eng. @ 76
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (*In pails*)	52 @ 58	56 @ 57	57 @ 60	@ 60
" " boiled	54 @ 62	59 @ 60	60 @ 63	@ 64
Turpentine	41 @ 42	45 @ 46	51 @ 51	@ 44
Varnish, coach	@	1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac	@	2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	3 @	2 @ 4	02 @ 02½	2 @ 2½
Whiting (*In casks*)	75 @ 1 00	1 @ 1½	1 @ 1½	½ @ 1
Paris white, (Eng.,)	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am	6½ @ 6	@ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber, "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@	2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 50	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4" x 4" (℔ doz. pairs.)				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish. ℔ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (on cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs; (℔ *Set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
		@	13 @ 16	13½ @ 16
Solder:		@ 8	7	@ 6½
Sheet Lead		@ 7½	6½	6 @ 6
Lead Pipe				
Iron:				
I-Beams, up to and including 30 ft	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ½, ¼, ½ c. advance	@		3 26 @ 3 70	@ 2 8-10
Channel-Beams	3 3-10 @ 3½	@ 3 1-10	" @ "	@ 2 8-10

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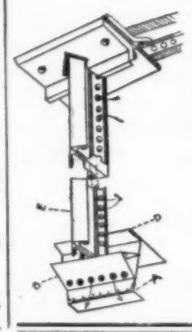

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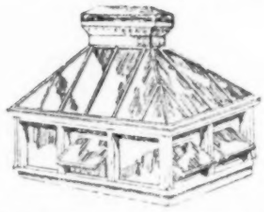

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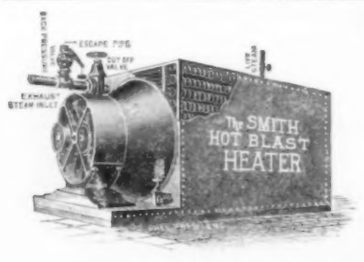

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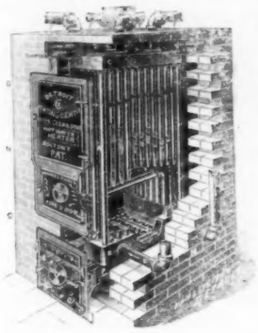

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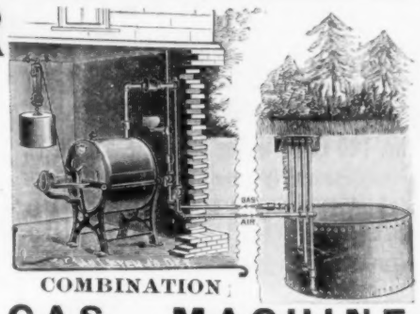

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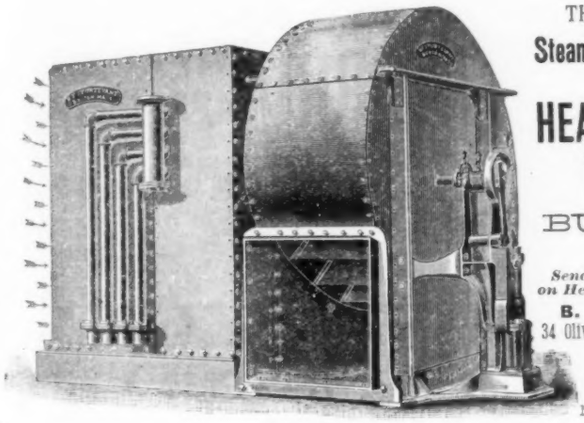

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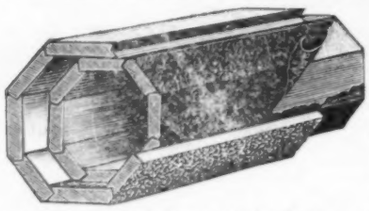

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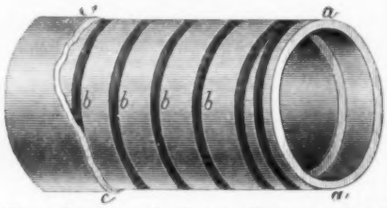

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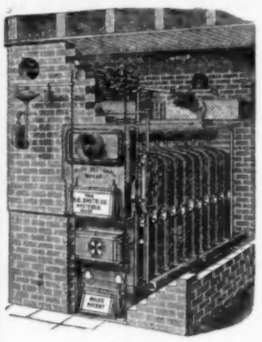

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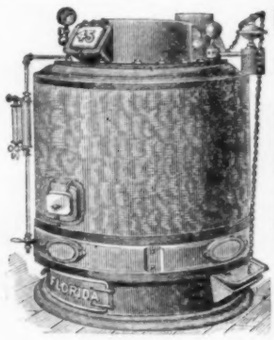

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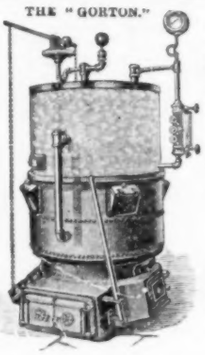

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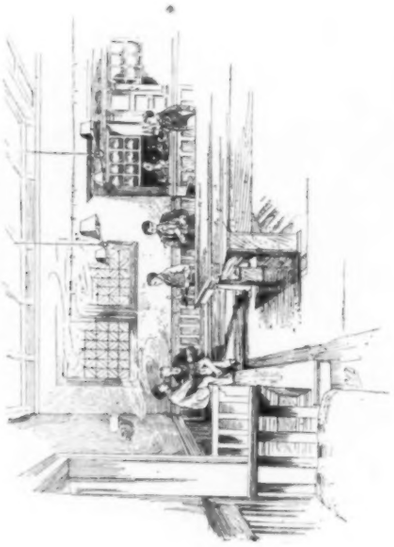
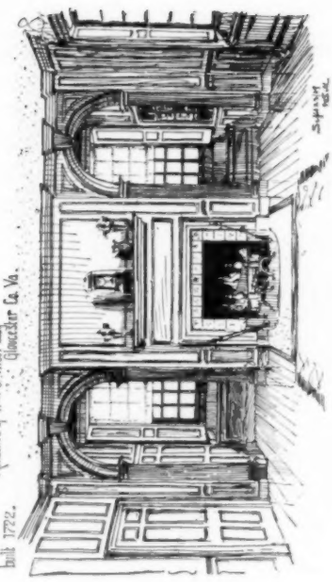
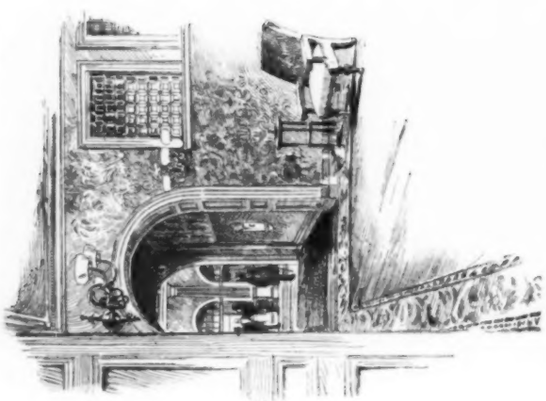
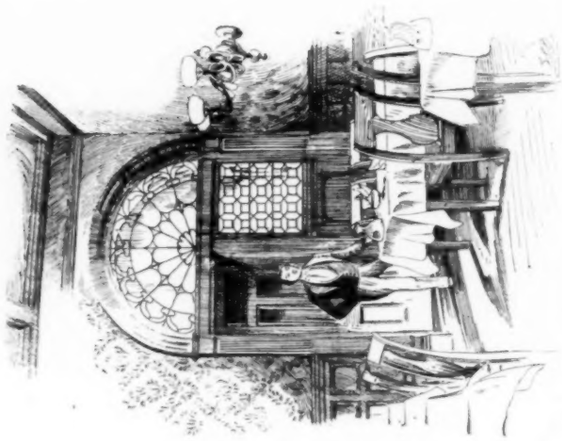


Interior Bits in the Building of the Boston Athletic Association, Boston, Mass. Sturgis and Cabot, Architects.



Interior of Dining Room at "Toddsbury," Residence of Wm. J. Mott Esq. Gloucester Co. Va. built 1722.





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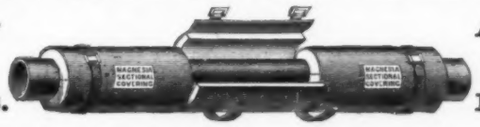

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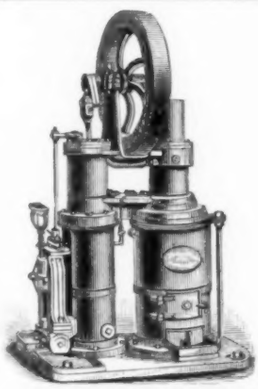

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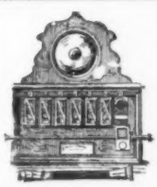

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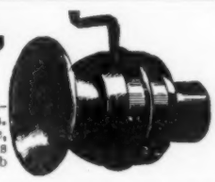

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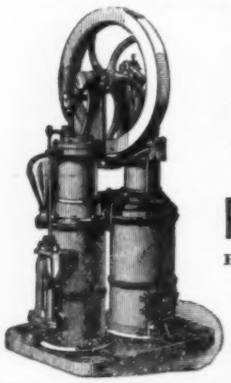

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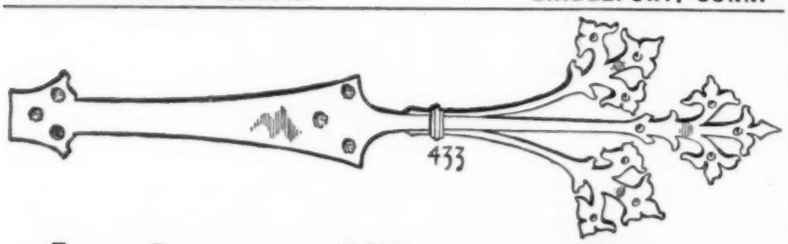

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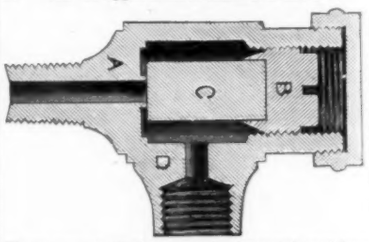

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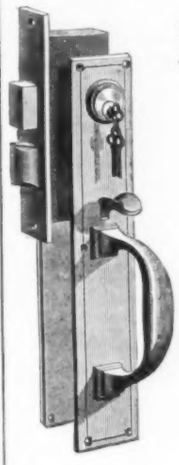

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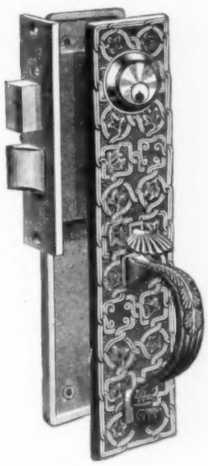

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From Laguna. — Steamer "*Mount Edgcumbe*," 376 logs mahogany, 13 log ends, Thebaud Bros.

From Marseilles. — Steamer "*Burgundia*," 4 casks cement, Henry Chaurand; 1 block marble, Albert Roussel.

From Nassau. — Steamer "*Viking*," 91 logs sabine wood, F. T. Montell & Sons.

From Nuevitas. — Brig "*Harriet G.*," 37 pieces mahogany, 728 do. cedar, Mosle Bros.

From Talcatalpan. — Schooner "*Zamora*," 131 tons cedar and mahogany, H. Marquardt & Co.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

ALTERATIONS.

Brooklyn, N. Y. — *Rodney St.*, n s, 103' 4" e Kent Ave., two-st'y brick furniture factory, gravel roof; one-st'y addition and alterations; cost, $5,000; owners, Young Bros., 426 Myrtle Ave.; architect, Th. Engelhardt, 905 Broadway.

Sands St., No. 109, four-st'y brick dwell. and factory, tin roof; internal and other alterations; cost, $3,500; owner, Francis Callihan, 78 Fourth Ave., New York City; architect, J. W. Bailey, 66 Court St.

Camden, N. J. — *Federal St., Nos.* 126 and 1103, alterations of brick buildings for stores; owner, D. Lummis.

Chicago, Ill.—R. Bloom, four-st'y addition and new front, 1517 Michigan Ave.; cost, $5,000.

T. Musselwhite, two-st'y addition, 3519 Vernon St.; cost, $2,000.

C. Barn, one-st'y addition, 81 Thirteenth St.; cost, $1,700.

J. C. Rourke, one-st'y addition, 319 Root St.; cost, $1,400.

Lawrence, L. I. — Constable Bros., 151 Broadway, New York, have made plans for additions and alterations to dwell. for A. P. Man.

Northampton, Mass. — Norwood Hotel, three-st'y addition.

(*Continued on page* xix.)

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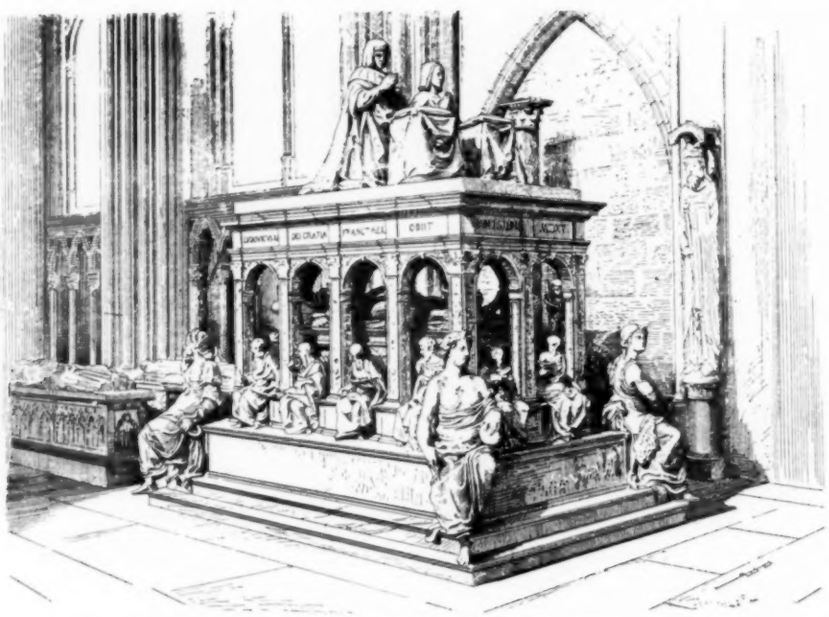
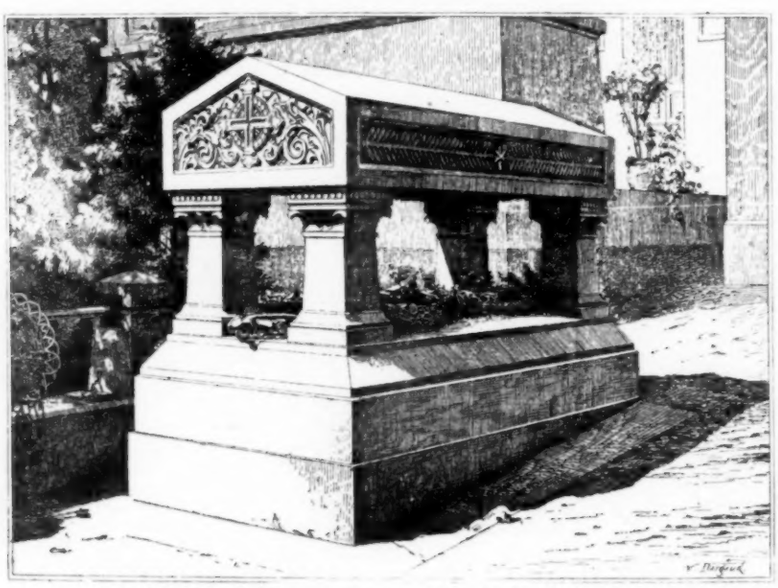
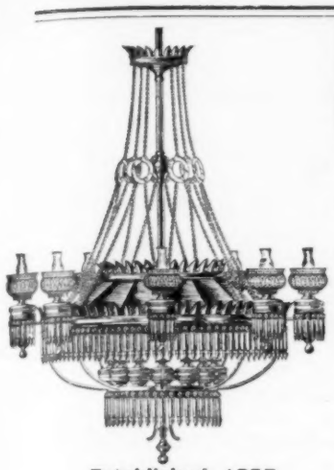


Tomb of Louis XII. in the Abbey of St. Denis, France.



A Tomb at Montmorency, France. M. Lucien Magne, Architect.

TOMBS.



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BUILDING INTELLIGENCE.

Philadelphia, Pa. — *Berks St., No.* 102, two-st'y alteration and addition to smithshop; contractor, Wm. Schwenleber, 2403 Mascher St.

Callowhill St., No. 102, front alteration.

Church Lane, e Ann St., two-st'y addition to stable; owner, Joseph Watkins, Paschalville.

Locust St., two new fronts; contractor, William Murphy, 7203 Woodland Ave.

Twentieth St., n w cor. Pemberton St., front alteration; contractor, Robert Vanstan, 2334 Pemberton St.

South Seventeenth St., No. 443, front alteration and back building (one story); contractor, F. Snyder, Falls of Schuylkill.

Second St., n w cor. Cambria St., front alteration and underpinning; owner, Henry McIntyre, Gloucester, N. J.

St. Louis, Mo. — Repair brick store; cost, $6,000; owner, J. C. Wilson; contractor, A. E. Cook.

Westfield, Mass. — Addition to factory; owner, American Whip Co.

APARTMENT-HOUSES.

Chicago, Ill. — A. Wagner, two-st'y flats, 5337 Emerald Ave.; cost, $1,100.

D. Page, two-st'y flats, 5218 Sherman St.; cost, $1,800.

Weisdam Bros., three-st'y flats, 6833 Halsted st.; cost, $10,000.

B. Steinberg, two-st'y flats, Fifty-second and Peoria Sts.; cost, $1,400.

John Beng, two-st'y flats, 1000 Racine Ave.; cost, $1,400.

John Heidrich, two-st'y flats, Commercial and Diversy Sts.; cost, $2,000.

E. M. Sawyer, three-st'y flats, 162 Colorado Ave.; cost, $6,500.

O. C. Erdwig, 3 three-st'y flats, 950-954 Campbell Ave.; cost, $7,000.

G. G. Condon, three-st'y flats, 348 Belden Ave.; cost, $9,000.

D. H. Dymond, two-st'y flats, Sixty-first and Forty-third Sts.; cost, $1,500.

A. Barked, two-st'y flats, Escanaba Ave. and Eighty-eighth St.; cost, $2,200.

Herman Werner, two-st'y flats, 216 Webster Ave.; cost, $1,500.

Nels Holm, three-st'y flats, 389 West Erie St.; cost, $7,000.

Louis Epstein, three-st'y flats, 222 Maxwell St.; cost, $5,500.

L. Thorsen, two-st'y flats, 179 Laurel Ave.; cost, $1,600.

Mrs. M. S. Webber, two-st'y flats, 4429 St. Laurence Ave.; cost, $4,000.

Frank Mogory, two-st'y flats, 32 Sevan St.; cost, $4,300.

John Nolan, two-st'y flats, 109 Hastings St.; cost, $3,200.

S. E. Graves, two-st'y flats, 79 Jefferson St.; cost, $1,200.

S. F. Feltman, two-st'y flats, 7126 Green St.; cost, $1,000.

New York, N. Y.—*Ninety-sixth St.*, s s, 300′ w Ninth or Columbus Ave., 4 five-st'y brick flats, tin roofs; cost, $80,000; owner, Alexander Cameron, 762 Eighth Ave.; architect, Henry Davidson, 222 Ninth Ave.

Orchard St., No. 179, five-st'y brick flat, tin roof; cost, $18,000; owner, Serasti & Cusack, 121 East Fifty-third St.; architect, Charles Rentz, 153 Fourth Ave.

Madison Ave., e s, 20′ n One Hundred and Third St., five-st'y brick flat, tin roof; cost, $18,000; owner, John S. Scott, 4 West One Hundred and Thirteenth St.; architect, John C. Burne, 1531 Third Ave.

Madison Ave., e s, 40′ n One Hundred and Third St., 2 five-st'y brick flats, tin roofs; cost, $21,000; owner, John S. Scott, 4 West One Hundred and Thirteenth St.; architect, John C. Burne, 1531 Third Ave.

Madison Ave., n e cor. One Hundred and Third St., five-st'y brick flat, tin roof; cost, $26,000; owner, John S. Scott, 4 West One Hundred and Thirteenth St.; architect, John C. Burne, 1531 Third Ave.

One Hundred and Eighteenth St., s s, 100′ w Eighth Ave., 4 five-st'y brick flats, tin roofs; cost, $72,000; owner, Wm. T. Coggeshall, 230 East One Hundred and Twelfth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

One Hundred and Twenty-first St., No. 434, five-st'y brick flat, tin roof; cost, $22,000; owner, Christian Biersack, 502 East One Hundred and Eighteenth St.; architect, Herman Horenberger, 99 East Third St.

Roosevelt St., s s, 200′ e Park Row, five-st'y brick flat, tin roof; cost, $18,000; owner, Helen D. Camponan, 146 East Seventy-first St.; architect, John P. Leo, 38 Park Row.

Fifth Ave., n e cor. Fourteenth St., five-st'y brick flat, tin roof; cost, $35,000; owner, Charles Stevens, 2292 Second Ave.; arch tect, William Graul, 215 Bowery.

Pelt St., No. 66, five-st'y brick flat, tin roof; cost, $20,000; owners, Loonie & Parker, 115 East Eighty-ninth St.; architect, Charles Rentz, 153 Fourth Ave.

Seventieth St., n w cor. Avenue A, 2 five-st'y brick flats, tin roof; cost, $37,000; owner, Martin Schmeckenbecker, 521 Trinity Ave.; architect, Bruno W. Berger, 80 Bible House.

West Forty-second St., No. 559, five-st'y brick flat, tin roof; cost, $16,000; owner, Wm. Spearing, 538 West Forty-second St.; architect, M. V. B. Ferdan, 272 West Thirty-fourth St.

Seventy-fourth St., s s, 300′ w Columbus Ave., 2 six-st'y brownstone, terra-cotta and brick flats; owner, Charles Gahren; architects, Thom & Wilson.

St. Louis, Mo. — Two-st'y brick flat; cost, $10,000; owner, Mary Maher; contractors, Jos. Flannery & Bros.

Two-st'y brick flat; cost, $4,000; owner, A. Miglemeyer; contractor, H. Schulte.

CHURCHES.

Brooklyn, N. Y. — *Bedford Ave.*, n w cor. Lafayette Ave., one-st'y brick church, tin, galvanized iron and tile roof; cost, $35,000; owner, Temple Israel; architects, Parfitt Bros., 26 Court St.

Eagle St., n s, 175′ w Manhattan Ave., two-st'y brick mission chapel, slate and tin roof; cost, $12,000; owner, Reformed Dutch Church, Kent St.; architect, W. Wheeler Smith, 7 Wall St., New York City.

Chicago, Ill. — Montross M. E. Church, James and Washington Sts.; cost, $2,000.

Corpus Christi, Texas. — The Presbyterians contemplate building an edifice, to cost about $20,000.

Frankford, Pa. — Frank R. Watson, architect, 518 Walnut St., Philadelphia, is preparing plans for a new edifice for St. Luke's Episcopal Church.

New York, N. Y. — *Fourteenth St.*, bet. Eighth and Ninth Aves., St. Bernard's Church is to be rebuilt; architect, J. S. O'Meara.

Orlando, Fla.— Plans have been prepared by Architect Ray for a four-st'y convent building, to cost about $15,000.

Philadelphia, Pa. — *Nineteenth St.*, the Methodist-Episcopal Church will be enlarged.

Bethany Church will be enlarged to seat 5,000 persons.

Worcester, Mass. — *Endicott St.*, one-st'y frame chapel; owners, Piedmont Congregation Society; contractor, A. R. Marble.

FACTORIES.

Brooklyn, N. Y. — *Fortieth St.*, s s, 160′ e Second Ave., three frame factory buildings and one-st'y boiler house, tin roofs; cost, $15,000; owner, Joseph M. Huber, 231 West One Hundred and Thirty-second St., New York City; architect, J. Averit Webster, 104 Pulitzer Building, New York City.

Camden, N. J. — *Arch St.*, above Front St., one-st'y corrugated iron building for manufacturing purposes; owner, Martin I. Frand, on premises.

Sixth and Mechanic Sts., one-st'y frame building for manufacturing purposes; owners, James Raspin & Co., on premises.

Chicago, Ill.—William Ruehl, three-st'y ice-factory, 216 West Twelfth St.; cost, $8,000.

Nordhem & Bolstad, four-st'y factory, 741 Elk Grove Ave.; cost, $11,000.

Detroit, Mich. — John Scott & Co., architects, for Daniel Scotten, rebuilding tobacco-factory, Fort St., west; cost, $80,000.

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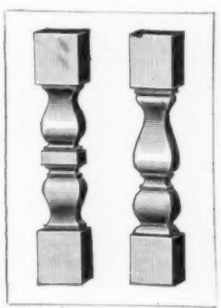

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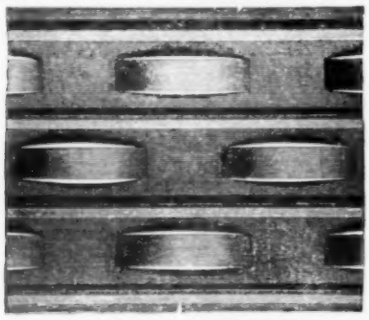
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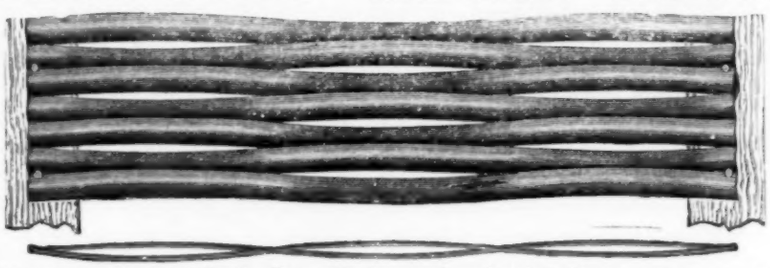
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BUILDING INTELLIGENCE.

New York, N. Y.— *Greenwich St.*, w s, 75′ n Clarkson St., brick, iron and stone factory; cost, $75,000; owners, Henry Meinkin and John Jordan; architect, J. W. Cole.

Philadelphia, Pa. — *Otsego St.*, e s, n Washington Ave., four-st'y factory; owners, P. C. Tomson & Co., 205 North Third St.

St. Louis, Mo. — Two one-st'y frame factories; cost, $10,000; owners and contractors, St. Louis Lead & Oil Co.

Four-st'y brick factory; cost, $8,000; owners, Meyer & Pollman; contractors, Hemminghaus & Vollmer.

HOSPITALS.

Ware, Mass.— Two cottages, dining-room and boiler-house; cost, $92,000; contractor, H. P. Cummings.

HOTELS.

Amherst, C. H., Va.—Plans have been prepared for a hotel; cost, $50,000.

New York, N. Y. — *Central Park, West*, s w cor. Seventy-second St., fourteen-st'y hotel; owner, Jacob Rothschild.

Madison Ave., s w cor. Eighty-ninth St., seven-st'y fireproof family hotel; cost, $200,000; owner and architect, Thomas Graham.

Market St., cor. Water St., six-st'y brick and stone hotel; cost, $45,000; owner, Thomas Brennan; architect, George E. Harding.

Richmond, Va. — Company has been organized to build a six-st'y hotel; cost, abt. $150,000.

HOUSES.

Agawam, Mass. — E. D. Taylor, dwell., Elm St.; contractor, J. Bullinger.

Baltimore, Md. — Richard F. Foster, 23 two-st'y brick buildings, w s Woodyear St.; 5 two-st'y brick buildings, s s Winchester St.; and 5 two-st'y brick buildings, n s Riggs Ave.

Wm. Collett, 13 two-st'y brick buildings, w s Baker Alley, bet. Baker and Cumberland Sts.

J. C. Crockett, 10 two-st'y brick buildings, n s North Ave., bet. Aisquith and Harford Aves.; and 28 two-st'y brick buildings, e and w s Sherwood Ave., n North Ave.

Carter Bros., four-st'y brick dwell., e s Fremont St., n Mosher St.

Boston, Mass.— *Ellsworth St.*, near Commercial St., Ward 24, two-st'y frame dwell., flat roof, 21′ x 28′; owner, John S. Lee; builder, Frank Silvia.

Weldon St., near Hyde Park Ave., Ward 23, frame dwell., 54′ x 36′; owner, Mary J. Cookson; builder, J. W. Cookson.

Heath St., No. 108, Ward 22, three-st'y frame dwell. and store, flat roof, 30′ x 30′; owner and builder, J. B. Mulvey.

Sheridan St., near Centre St., Ward 23, three-st'y frame dwell., pitch roof, 24′ x 57.4′; owner, John Regan; builders, R. D. Ward & Co.

Silver St., No. 101, Ward 13, three-st'y frame dwell., 22′ x 28′; owner and builder, G. M. Brown.

Neponset Ave., near Jewett St., Ward 23, frame dwell., 23′ x 40′; owner, D. G. O'Hara; builders, Sittig Bros.

Julian Ave., near Howard Ave., Ward 20, two frame dwells., one 33′ x 33.6′, the other 23′ x 27′; owner, D. D. Aughrue; builder, F. J. Portunato.

Unnamed St., near Dacia St., Ward 20, three-st'y frame dwell., flat roof, 28′ x 46′; owner, M. J. Linsky; builder, M. McLaughlin.

Granville Pl., near Dean Ave., Ward 20, three-st'y frame dwell., pitch roof, 20′ x 50′; owner and builder, G. A. Clifford.

Brent St., near Carlisle St., Ward 24, frame dwell., 33′ x 42.3′; owner, Mrs. H. Wallis; builders, Sulis & Wallis.

Brooklyn, N. Y. — *Ellery St.*, s s, 100′ n Tompkins Ave., four-st'y frame dwell., tin roof; cost, $6,000; owner, John Ludwig, Forty-fifth St. and Sixth Ave., New York City; architect, Henry Vollweiler, 486 Hart St.

Hemlock St., e s, 125′ s Griffith Pl., 3 two-st'y and attic frame dwells., tin roofs; cost, $1,500 each; owner, J. D. Cochran, New Lots Road, cor. Shepard Ave.

Nineteenth St., n s, 80′ w Seventh Ave., three-st'y frame dwell., tin roof; cost, $3,300; owner, G. Lehrs, 652 Seventh Ave.; architects, H. L. Spicer & Sons, Third Ave., and Fifty-third St.

Sackett St., n s, 125′ w Van Brunt St., 5 five-st'y brick dwells., tin roofs; cost, $55,000; owner, Rebecca M. Ferry, 78 Third Pl.; architect, John L. Young, 287 Halsey St.

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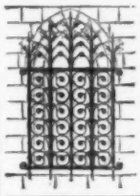

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Thirty-second St., n s, 160′ w Sixth Ave., three-st'y dwell., tin roof; cost, $3,000; owner, Thos. W. Smith, 271 Twenty-first St; architects, Young Bros., 129 Forty-third St.

Park Ave., s s, 80′ e Tompkins Ave., four-st'y frame dwell., tin roof; cost, $5,000; owner, John Ludwig, Forty-fifth St. and Sixth Ave., New York City; architect, Henry Vollweiler, 486 Hart St.

Power St., s s, 150′ n Olive St., three-st'y frame dwell., tin roof; cost, $4 000; owner, Ignatz Goetke, 314 Power St.; architect, Henry Vollweiler, 486 Hart St.

Decatur St., s s, 365′ w Saratoga Ave., 5 two-st'y brick dwells., tin roofs; cost, $4,500 each; owner, Pardonner & O'Neil, 416 Chauncy St.; architects, J. D. Reynolds & Son, 363 Fulton St.

Macon St., s s, 357′ e Reid Ave., 2 two-st'y brick dwells., tin roofs; cost, $4,500 each; owner, C. H. Roberts, 243 Reid Ave.; architects, Amzi Hill & Son, 1161 Fulton St.

Macon St., s s, 393′ e Reid Ave., 3 two-and-one-half st'y brick dwells., tin roofs; cost, $5,000 each; owner, C. H. Roberts, 243 Reid Ave.; architects, Amzi Hill & Son, 1161 Fulton St.

Harman St., s s, 100′ Knickerbocker Ave., 4 three-st'y frame dwells., tin roofs; cost, $2,500 each; owners, H. Lindermann and C. Rahm, 642 Debevoise St.; architect, F. J. Lessing, 91 Ralph Ave.

Greene Ave., n s, 20′ e Stuyvesant Ave., four-st'y brick dwell., tin roof; cost, $8,000; owner, George Koch, 1278 Bushwick Ave.; architect, F. J. Lessing, 91 Ralph Ave.

Camden, N. J.—*Mechanic St.*, e Third St., 3 two-st'y brick dwells.; owner, Eli B. Morgan.

Cooper St, s s, e Ninth St., 11 three-st'y brick dwells; owner, W. E. J. Aitken.

Seventh and Pearl Sts., 10 two-st'y brick dwells.; owners, Moore Bros.

Vanburen St., e s, n Central Ave., two-st'y frame dwell.; owner, Michael Creighton, 1300 South Front St., Philadelphia.

Chicago, Ill. — N. W. Harris, cottage, 4520-4522 Drexel Boulevard; cost, $3,500.

J. Grjegorzewski, cottage, 1052 Albany Ave.; cost, $1,200.

William Linke, cottage, 227 Hastings St.; cost, $1,000.

Abel Gent, cottage, McLean near Hancock Sts.; cost, $1,100.

William Rought, two-st'y dwell., 7539 Coles Ave.; cost, $2,000.

Mrs. K. Stacey, cottage, 5436 Monroe Ave.; cost, $1,200.

E. S. Goldsmith, cottage, 948 Hangan Ave.; cost, $1,200.

C. F. Banks, 2 cottages, 5206-5208 Emerald Ave.; cost, $2,500.

James Fargety, two-st'y dwell., 9034 Ontario Ave.; cost, $1,900.

Francis Lackner, three-st'y dwell., 381 Dearborn Ave.; cost, $15,000.

George Wamback, cottage, 3022 Hanover St.; cost, $1,200.

Mrs. Annie S. Adams, two-st'y dwell., Selwin near Everett Sts.; cost, $1,500.

William Messy, cottage and shed, 1586 Harvard St.; cost, $1,100.

F. Kresil, cottage, 1250 West Nineteenth St.; cost, $1,100.

J. G. Earle, five cottages, 3412-26 Leavitt St.; cost, $3,500.

Lewis H. Levi, two-st'y dwell., 57 Fifty-eighth St.; cost, $2,000.

C. D. Sondellius, two-st'y dwell., 4415 Calumet Ave.; cost, $8,000.

J. N. Simons, 2 three-st'y dwells., 4510-12 Vincennes Ave.; cost, $6,000.

W. B. Kennedy, two-st'y dwell., 7800 Green St.; cost, $7,000.

Detroit, Mich. — Donaldson & Meier, architects, three-st'y double brick dwell. and store, 87-89 Congress St., east; cost, $12,000.

BUILDING INTELLIGENCE.

O. H. Hooper, two frame dwells., 295 and 301 Military Ave.; cost, $3,600.

Thomas Williams, three frame dwells., 1500, 1504 and 1506 Twenty-seventh St.; cost, $3,300.

P. G. Dulitz, frame dwell. and barn, 391 Fourteenth Ave.; cost, $3,000.

Wade & Wellman, frame dwell., 450 Lincoln Ave.; cost, $3,000.

Thos. Pocock, frame dwell., 285 Brigham St.; cost, $3,000.

New York, N. Y.—*Ninety-second St.*, s s, bet. Ninth and Tenth Aves., 4 three-st'y brownstone front dwells.; cost, $100,000; owner, James Brown; architect, G. F. Pelham.

West End Ave., n e cor. Eighty-eighth St., 5 three-st'y brick and stone dwells.; cost, $90,000; owner, George W. Cohen; architect, G. A. Schellinger.

One Hundred and Sixty-third St., n s, 125′ w Third Ave., 3 two-st'y frame dwells., tin roofs; cost, $10,500; owner, Julius Esche, 783 East Sixteenth St.; architect, M. J. Garvin, 3311 Third Ave.

One Hundred and Sixty-third St., n w cor. Washington Ave., three-st'y frame dwell., tin roof; cost, $4,000; owner, Rosa Rice, 633 East One Hundred and Fifty-fourth St.; architect, M. J. Garvin, 3311 Third Ave.

Croton Pl., w s, 125′ 9″ s One Hundred and Seventy-first St., three-st'y frame dwell., tin roof; cost, $3,000; owner, Mary J. McGrath, One Hundred and Seventieth St. and Croton Pl.; architect, E. N. Unrap, One Hundred and Twenty-fifth St. and Harlem River.

Bainbridge Ave., e s, 150′ n William St., three-st'y frame dwell., peak shingle roof; cost, $4,500; owner, Walter J. Lee, Bainbridge Ave., Fordham; architect, Lincoln A. Virtue, 831 Broad St., N. J.

Villa Ave., e s, 375′ s Van Courtland Ave., 2 three-st'y frame dwells., peak shingle roofs; cost, $8,000; owner, Frank Pistone, Potter Pl.; architect, Chas. W. Vreeland, 2560 Tiebout Ave.

Nathalie Ave., e s, 79′ n Kingsbridge Road, three-st'y brick dwell., peak shingle roof; cost, $6,500; owner, Carrie R. Thayer, Morristown, N. J.; architect, Edward G. Hapgood, 1285 Broadway

Philadelphia, Pa. — *Roxborough Ave.*, e Freeland Ave., two-st'y dwell.; contractor, Wm. F. Rayner, 4128 Pechin St.

Pratt St., w s, n Torrisdale Ave., two-st'y dwell.; contractors, Koliver Bros., 2537 Ash St.

Cottage St., w s, s Longshore Ave., two-st'y dwell.; contractor, Geo. W. Wells, Keystone above Tyson St.

Lawrence St., w s, s Pike St., two-st'y dwell.; contractor, John Brannan, 2823 D St.

Willow St., w s, n Harrison St., 2 three-st'y dwells.; contractor, E. D. Marshall, Vansdowne, Delaware, Co., Pa.

Providence, R. I. — *Tuxedo Ave. and Amherst St.* frame dwell.; cost, $3,000; owner, Albert Rotlea, on estate; builders, Watts Bros.

Chapin Ave., frame dwell; cost, $3,200; owner, Thomas Hefferman; builder, T. M. O'Reilly.

Dover St., two-and-one-half-st'y frame dwell.; owner, B. D. Sweet.

High St., frame dwell.; cost, $6,500; owner, R. O. Burgess; builders, Watts Bros.

Sheldon St., frame dwell.; owner, Francis H. Lubey.

Messenger St., frame dwell.; owner, Sylvester McMann; builder, Bernard McGinn.

Whitemarch St., two-and-one-half-st'y frame dwell.; cost, $5,000; owner, Mrs. Frank B. Lawton; builder, Charles F. Sanford.

Springfield, Mass. — Dwell., Osgood St.; owner, F. B. Chamberlain; contractors, E. Wood & Son.

Frame dwell., Eastern Ave.; owner, W. H. Dexter, East Court St.

St. Louis, Mo. — Three two-st'y brick dwells.; cost, $7,500; owner, Henry Miller; contractor, C. A. Miller.

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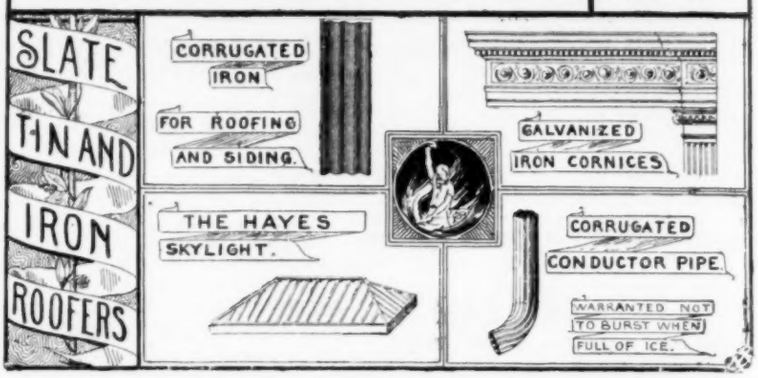

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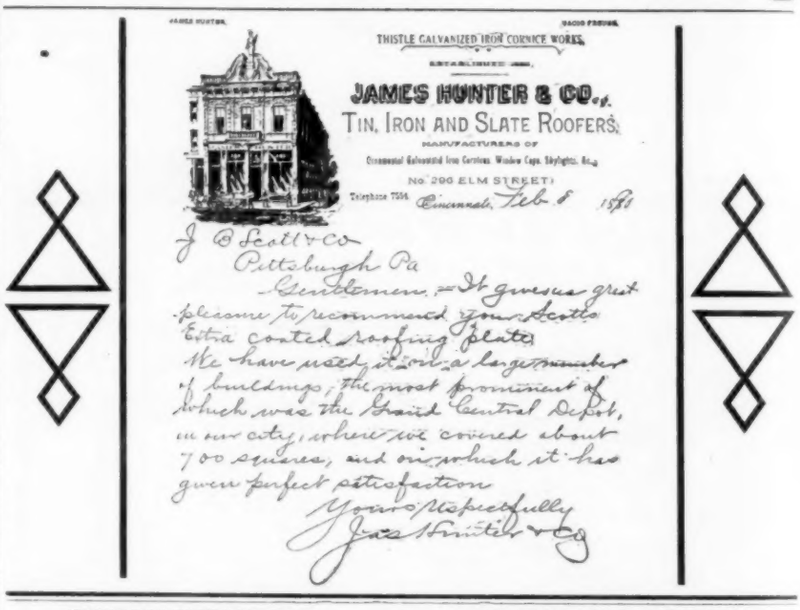
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Three two-st'y brick dwells.; cost, $9,000; owner and contractor, Wm. Kaye.

Two-st'y brick dwell.; cost, $5,000; owner and contractor, J. H. Randall.

Three-st'y brick dwell. and store.; cost, $9,000; owner, J. J. Hammond; contractor, sublet.

Three two-st'y brick dwells.; cost, $15,000; owner and contractor, John Moore.

Two-st'y brick dwell.; cost, $2,500; owner, Tom Trainer; contractor, A. Wagner.

Worcester, Mass. — *Sutton Road*, frame dwell.; owner, C. P. Bean; day-work.

Grand St., 2 two-st'y frame dwells.; owner, C. E. Morse, Jr., Spencer, Mass.; contractor, C. E. Morse; architect, J. B. Woodworth.

Lyon St., three-st'y frame dwell.; owner, Levi Beaulieu; contractor, Joseph Bebo.

Clove St., one-st'y frame dwell.; owner, T. Arroginer; contractor, T. Wilding.

Dix St., three-st'y frame dwell.; owner, W. Clarkson; contractor, J. I. Elliot.

Tainter St., one-st'y frame dwell.; owner, J. H. Walker; contractor, W. D. Burns.

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Baltimore, Md. — The Fidelity & Safe Deposit Co., nine-st'y building; cost, about $300,000; architects, Baldwin & Pennington.

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Denison, Texas. — Three school-buildings, to cost about $9,000 each, will be built.

Galveston, Texas. — Plans are being prepared by N. J. Clayton & Co. for a school-building, to cost $30,000.

New York, N. Y. — *One Hundred and Thirty-sixth St.*, n s, 340′ e Seventh Ave., two-st'y brick schoolhouse, peak slate and tin roof; cost, $7,000; owner, Church of Holy Nativity, 189 West One Hundred and Thirty-sixth St.; architect, Charles C. Haight, 111 Broadway.

RAILROAD BUILDINGS.

Detroit, Mich. — A. C. Varney & Co., 4 three-st'y brick stores and six dwells., 247-253 Michigan Ave.; cost, 115,000.

Dr. A. J. B. Jenner, two-st'y double brick store and five dwells., 780-790 Woodward Ave. and 12-16 Willis Ave.; cost, $2,000.

New York, N. Y. — *Houston St.*, n w cor. Broadway, the Seventh Ave. R. R. Co. contemplate building a depot, plans of which have not yet been decided on.

STABLES.

Boston, Mass. — *Blue Hill Ave.*, near Wales St., Ward 24, one-st'y frame stable, pitch roof, 20′ x 24′; owner, C. H. Batchelder.

New York, N. Y. — *Tenth Ave.*, n w cor. Eighty-fifth St., five-st'y brick and stone stable; cost, $70,000; owner, Wm. Sperb, Jr.; architects, Thom & Wilson.

Philadelphia, Pa. — *Sydenham St.*, w s, n Jefferson St., two-st'y stable; contractor, Jacob R. Tarber, 52 North Thirteenth St.

STORES.

Boston, Mass. — *Tremont St., No.* 380, Ward 16, three-st'y brick store, flat roof, 31.10′ x 41′; owner, R. T. Paine; builder, H. McLaughlin.

Brooklyn, N. Y. — *Van Pelt Ave.*, n e cor. North Henry St., three-st'y frame store and dwell., tin roof; cost, $4,000; owner and builder, Chas. Engert, 182 Montrose Ave.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Van Pelt Ave., n s, 25′ e North Henry St., three-st'y frame store and dwell., tin roof; cost, $4,000; owner and builder, Chas. Engert, 182 Montrose Ave.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Knickerbocker Ave., n e cor. DeKalb Ave., three-st'y store and dwell., tin roof; cost, $7,500; owner, A. Keppler, 103 Ralph Ave.; architect, Frank Holmberg, 1161 Broadway.

Nassau Ave., n w cor. Sutton St., three-st'y frame store and dwell., tin roof; cost, $4,200; owner, Paul C. Grennig, 420 Gates Ave.; architects, H. Haug & Co., 77 Rodney St.

Throop Ave., e s, 40′ s Ellery St., three-st'y frame stores and dwell., tin roof; cost, $4,200; owner, Fred Hauck, on premises; architects, David Acker & Sons, 752 Broadway.

Third Ave., n e cor. Forty-seventh St., 2 four-st'y brick stores and dwells., tin roofs; cost, $10,000 each; owners, Fred Siefred and Gummell, Thirty-seventh St., near Third Ave.; architects, H. L. Spicer & Sons, Third Ave. and Fifty-third St.

Third Ave., e s, 40′ n Forty-seventh St., 2 four-st'y brick stores and dwells., tin roofs; cost, $10,000 each; owners, Fred Siefred and Gummel, Thirty-seventh St., near Third Ave.; architects, H. L. Spicer & Sons, Third Ave. and Fifty-third St.

Floyd St., s s, 100′ w Marcy Ave., three-st'y frame store and dwell., tin roof; cost, $5,800; owner, Chas. Armbruster, next house; architect, E. Schrempf, 36 Monteith St.

Kingsland Ave., n e cor. Nassau Ave., three-st'y frame store and dwell., tin roof; cost, $4,500; owner, Paul C. Grennig, 420 Gates Ave.; architects, H. Haug & Co., 77 Rodney St.

Chicago, Ill.—John Reichwein, three-st'y store and flats, 1069 Milwaukee Ave.; cost, $8,000.

Andrew Hanson, two-st'y store and flat, 87 Ninety-first St.; cost, $2,800.

H. W. Justin, 4 three-st'y stores and flats, 5630-5638 Halsted St.; cost, $14,000.

E. Partridge, 2 four-st'y stores and flats, 273-275 Division St.; cost, $20,000.

Henry Berg, two-st'y store and flats, Fifty-first and Florence Sts.; cost, $3,000.

M. A. Hozeman, two-st'y store and dwell., 5658 Dearborn St.; cost, $3,000.

Carl Stegl, three-st'y store and flats, Fifty-eighth and State Sts.; cost, $3,500.

George F. Stoneham, 2 three-st'y stores and flats, 578-580 West Taylor St.; cost, $14,000.

William Frank, three-st'y store and flats, 989 Harrison St.; cost, $5,000.

Parsons & Meyers, three-st'y store and flats, Forty seventh St., near Halsted St.; cost, $12,000.

M. Gajsski, two-st'y store and flats, 8707 Commercial Ave.; cost, $2,000.

Charles Seigart, two-st'y store and flats, 1354 Fifty-first St.; cost, $2,000.

J. R. Trenton, 2 two-st'y stores and flats, 520-522 Sixty-ninth St.; cost, $9,000.

New York, N. Y. — *East One Hundred and Nineteenth St., Nos.* 207-211, five-st'y brick store, tin roof; cost, $25,000; owner, Richard Webber, 1871 Madison Ave.; architect, Walter H. C. Hornum, 150 East One Hundred and Twenty-fifth St.

Sixty-third St., e s, s Vine St., store; contractor, Charles Buckwalter, 6021 Race St.

Waverley Pl., No. 12, six-st'y brick store, tin roof; cost, $45,000; owners, Henry & Samuel Corn, 130 West Seventy-eighth St.; architect, Alfred Zucker, Lincoln Building, Union Square.

Philadelphia, Pa. — *Chestnut St.*, s s, w Thirteenth St., four-st'y store; contractors, J. E. & A. L. Pennock, 305 Walnut St.; owners, A. C. Yates & Co.

WAREHOUSES.

New York, N. Y. — *Waverley Pl., Nos.* 28-30, six-st'y stone, brick and terra-cotta warehouse; cost, $75,000; architect, A. Zucker.

Philadelphia, Pa. — *Arch St.*, rear No. 626, two-st'y warehouse; cost, abt. $20,000; owners, Hives & Co., glass manufacturers; architect, Frank R. Watson.

Washington Ave., s s, e Eighteenth St., three-st'y storehouse; contractor, N. Kennedy, 1134 South Fifteenth St.

MISCELLANEOUS.

Atlanta, Ga. — Four-st'y building; cost, $60,000; architects, Bruce & Morgan.

Four-st'y building for Young Men's Hebrew Society; cost, abt. $50,000; architect, E. G. Lind.

Boston, Mass. — *Bourne St., rear*, cor. Florence St., Ward 23, one-st'y frame play-room, pitch roof, 20′ x 60′, for North End Mission; builder, E. D. Berrigan.

Brooklyn, N. Y. — *Sheffield Ave.*, w s, 100′ s Liberty Ave., one-st'y frame meeting-room, tin roof; cost,

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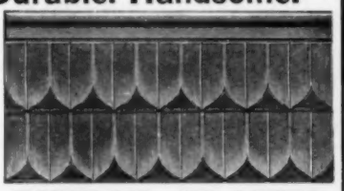

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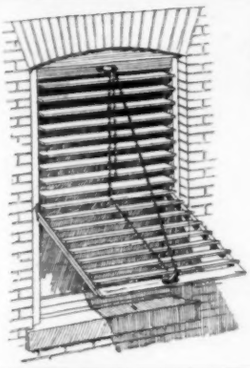

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SUPERIOR TO ALL OTHERS.

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DECORATIVE PUBLIC BRONZE WORK.

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$4,000; owners, Pul Bros., on premises; architects, Weber & Co., Bible House, New York City.

Camden, N. J.—*Eighth and Spruce Sts.*, brick boiler-house; owner, C. P. Carmany.

Sixth and Mechanic Sts., one-st'y iron building for storage purposes; owner, Jas. Raspin & Co.

Cameron, Texas. — Opera House to cost $10,000 is contemplated.

Chicago, Ill. — West Chicago Street Railway Co., one-st'y shed, 596-604 Warren Ave.; cost, $3,000.

So far, our weather has presented no obstacles to building operations, and work goes on with but little hindrance. If no trouble is met from trade-unions, there should be an unusual amount of work done during the coming season.

Chicago Cold Storage Exchange, twelve-st'y storage-house, etc., 9-13 West Lake St. and 1-7 West Water St.; cost, $1,400,000.

Arthur Clark, one-st'y ice-house, 1278 West Twelfth St.; cost, $1,300.

Chicopee, Mass. — C. C. Abbey, three-st'y brick business block.

Cincinnati, O. — Farmers & Drovers' Stock Yards, open yard shed, Spring Grove Ave.; cost, $5,000; architect, J. A. Stewart.

Edward Heniz, two-and-one-half-st'y slaughter-house, Poplar St.; cost, $4,500; architect, P. Pfeiffer.

Martin Eichlorn, two-st'y shop, Twelfth St.; cost, $3,500; architect, J. J. Ruckert.

Detroit, Mich. — John Brennan & Co., brick boiler-shop, 339-359 Twenty-fourth St.; cost, $10,000.

A. Chapoton, Jr., contractor, four-st'y brick and stone club-house, 21-29 Wilcox St.; cost, $30,000.

Gordon W. Lloyd, architect, brick building for The Open Door Society, Forest Ave.; cost, $15,000.

D. McDonnell & Co., one-st'y frame hall, 916-918 Fort St., East; cost, $5,500.

BUILDING INTELLIGENCE.

P. Diedrichs, Jr., four-st'y stock-room and refrigerator, 40-44 Maple St.; cost, $20,000.

P. Diedrichs, Jr., four-st'y brick brewery, 475-487 Winder St.; cost, $17,000; also frame dwell., 586 Clinton St.; cost, $4,000.

Germantown, Pa.—Four-st'y brick and stone building for the Young Men's Christian Association; architects, M. Fielding and Frank Miles Day.

Knoxville, Tenn. — The building of a club-house, to cost about $40,000, is contemplated by the Chilhowee Club.

Newark, N. J. — The new Smelter Building of the N. J. Zinc & Iron Co. is now being built by the Berlin Iron Bridge Co. of East Berlin, Conn., from their own designs; the building to be entirely fire-proof.

New Boston, Texas.—Court-house will be built for Bowie County.

New York, N. Y. — *West Fourteenth St.*, s s, 200′ e Thirteenth Ave., one-st'y brick workshop, tar and gravel roof; cost, $7,300; owner, Peter F. Collier, 65 Warren St.; architect, M. Louis Ungrich, 236 East One Hundred and Eighteenth St.

West Thirty-fourth St., No. 206, building for the North River Savings Bank; architect, Wm. H. Hume.

Philadelphia, Pa. — *Lancaster Ave.*, s s, e Monroe Ave., shop; contractor, Lewis Kirk, 5422 Haverford Ave.

North Second St., No. 819, wareroom; owner, Thos. Bryan, 225 South Second St.

(*Continued on page* xxiv.)

Sanitary Appliances

STEWART CERAMIC COMPANY,
312 PEARL ST., Cor. Peck Slip, NEW YORK.

Sole Manufacturers under Morahan's Patents of

THE CELEBRATED SOLID WHITE CROCKERY STATIONARY WASH-TUBS.

The only Perfect Sanitary Tubs now in Existence.

VERY STRONG.

No seams to open. Absolute cleanliness secured for all time.

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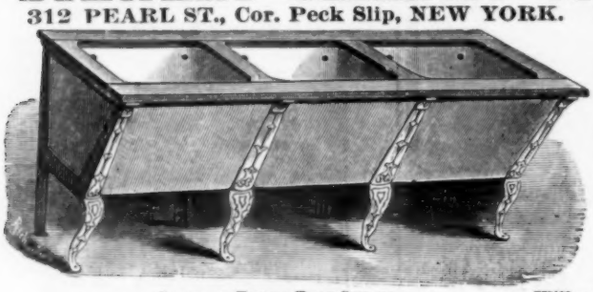

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The only Solid White Crockery Wash-tub ever made in the world. Do not buy imitations until you see the genuine "Morahan's Patent," stamped on the front of every tub. Wash-board and Soap-cup moulded in every set. Will outlast any house.

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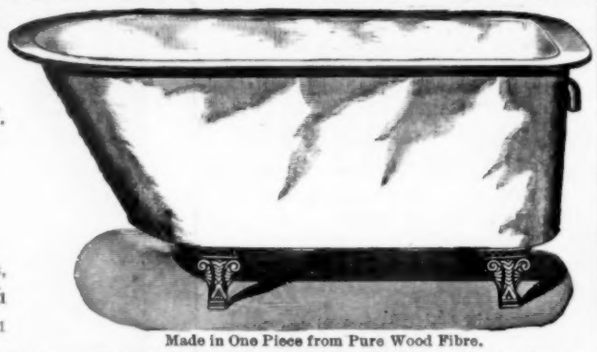
CLEAN, DURABLE, LIGHT.

NON-CONDUCTORS OF HEAT OR COLD.

HANDSOME BUT INEXPENSIVE.



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OSWEGO, N. Y.

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Put into the White House by the U. S. Government.

For venting, use vent-top.

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F. E. CUDELL'S
PATENT SEWER-GAS AND BACK-WATER TRAP,
For Wash-Bowls, Sinks, Bath and Wash-Tub
204 Superior St., Cleveland, O.

BUILDING INTELLIGENCE.

South Tenth St., No. 1811, kitchen; owner, Mrs. Moore, 768 McKean St.

Gillingham St., n s, w Mulberry St., two-st'y foundry; owner, Wm. Roberts, Penn St., ab. Harrison St.

Twenty-third St. and Washington Ave., the Belmont Iron Co. awarded the contract to build their foundry to Gillison, Christie & Lockerbie.

Tacony, the Diston Library Association is making preparations to build a library.

Vintage St., s w Thirty-fourth St., five almshouse buildings; contractors, Wm. Steele & Son, 506 Walnut St.

Baltimore Ave., one-st'y conservatory; contractor, John A. Palmer, 233 South Fortieth St.

Washington Ave., n s, e Otsego St., one-st'y cooper-shop; owners, Armstrong & Co., 136 South Fourth St.

St. Louis, Mo. — Four-st'y brick distillery; cost, $80,000; owner, Central Distillery Co.; contractor, J. D. Fitzgibbon.

Frame shed; cost, $3,000; owners, Maxwell & Crouch; contractor, L. J. Evans.

PROPOSALS.

IMPROVED SEWERAGE SYSTEM.
(At Providence, R. I.)

DEPARTMENT OF PUBLIC WORKS,
PROVIDENCE, R. I., January 20, 1891.

Sealed proposals will be received at this office **until 12 o'clock, noon, Thursday, February 12, 1891**, for building the outlet portion of Section 1, and for building Section 2 of the "Improved Sewerage System" of the city of Providence, in accordance with the form of contract and specification to be furnished by the Commissioner.

All proposals must be made upon the blank forms which will be furnished for the purpose.

The work is approximately indicated as follows:

	Length in feet.	Size.	Average depth of cutting.	cubic yards masonry.
Sec. 1	720	Double line 48-in. cast-iron pipe.	25 feet.	
Sec. 2	539	doub. 86½ x 94 in.	22 feet.	6640
	1525	110 in. circ. and		
	450	28 in. x 42 in.		

Plans may be seen and specification and form of contract can be obtained at the office of the City Engineer in Providence.

Each bidder is requested to give reference as to his business standing, and to state generally what experience he has had in such work as here proposed.

No bid will be considered unless accompanied by a certified check for the sum of one thousand dollars.

A satisfactory bond for a sum equal to about one-third of the estimated amount of the contract, conditioned upon the faithful performance of the contract, will be required of the successful bidder.

The right to reject any or all proposals is reserved.

JOHN A. COLEMAN,
Commissioner of Public Works.

789

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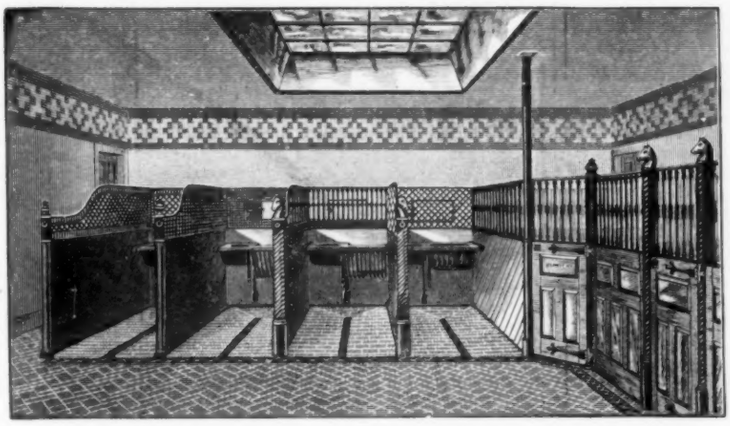

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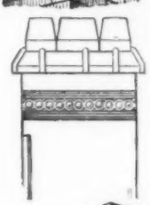
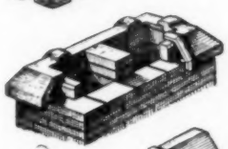
SALT-GLAZED TERRA-COTTA WEATHER-PROTECTING CHIMNEY TOPPING.

(Patented in the United States and Canada).





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——PATENTEE,——

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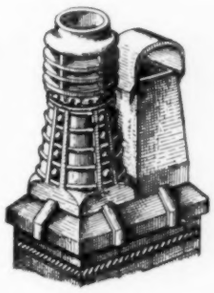

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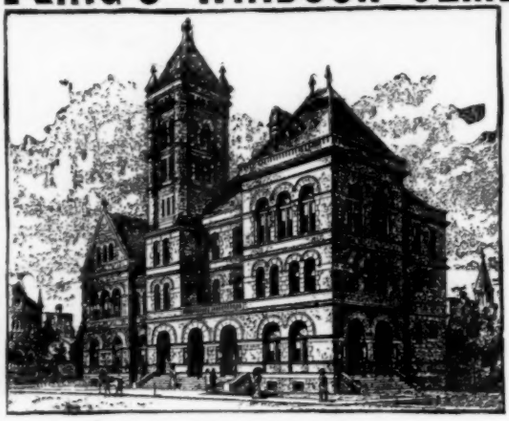

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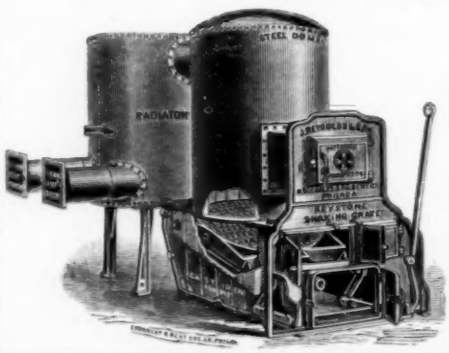

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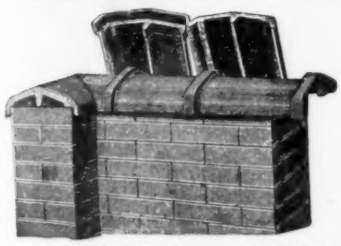

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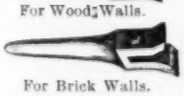

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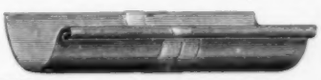

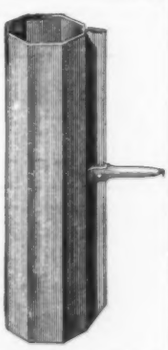

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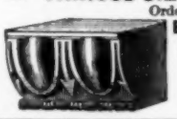

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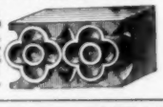

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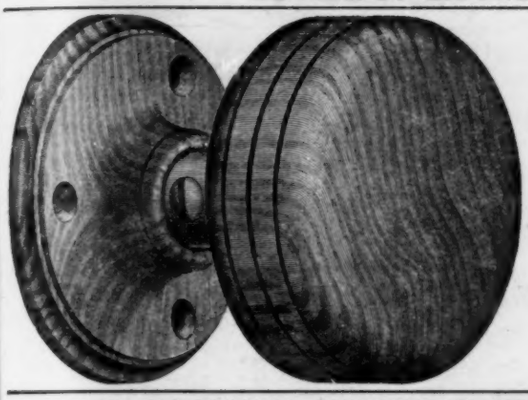

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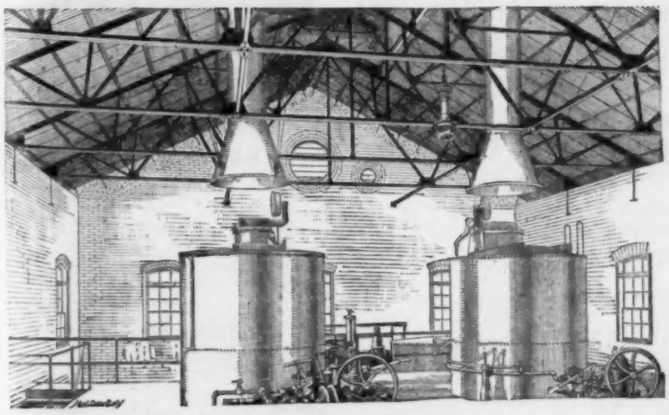

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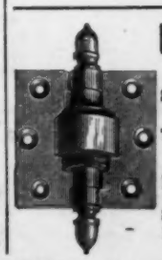

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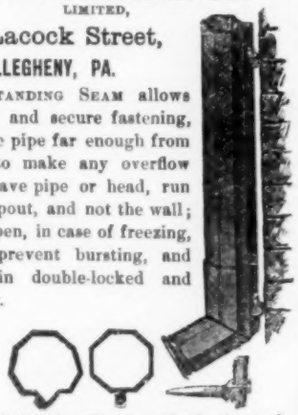

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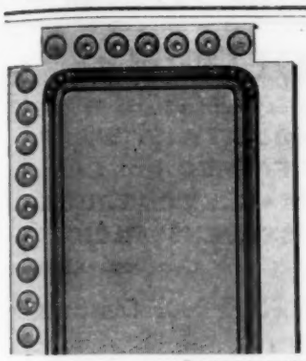

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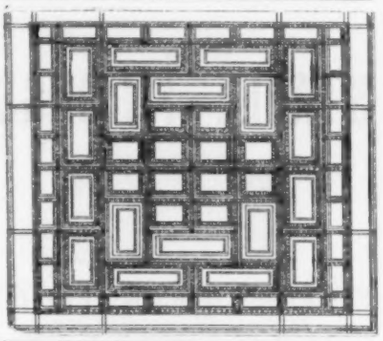

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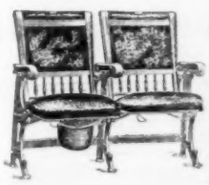

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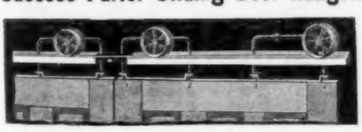

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Boards: (*Ordinary dimensions.*)				
Pine, 1st quality, clear	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	@ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 40 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 30	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 25 @ 2 30	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ M	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40
Cedar, split ₱ M	@	@	*Not sold.*	24" 8 @ 21
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	20" 35 @ 14
Cypress. Split...7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft.	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Commo	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. (*First Qual.*				
Ash [*Kiln-dried.*]	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 55 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ₱ lb	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 17 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	50 @ 45 00

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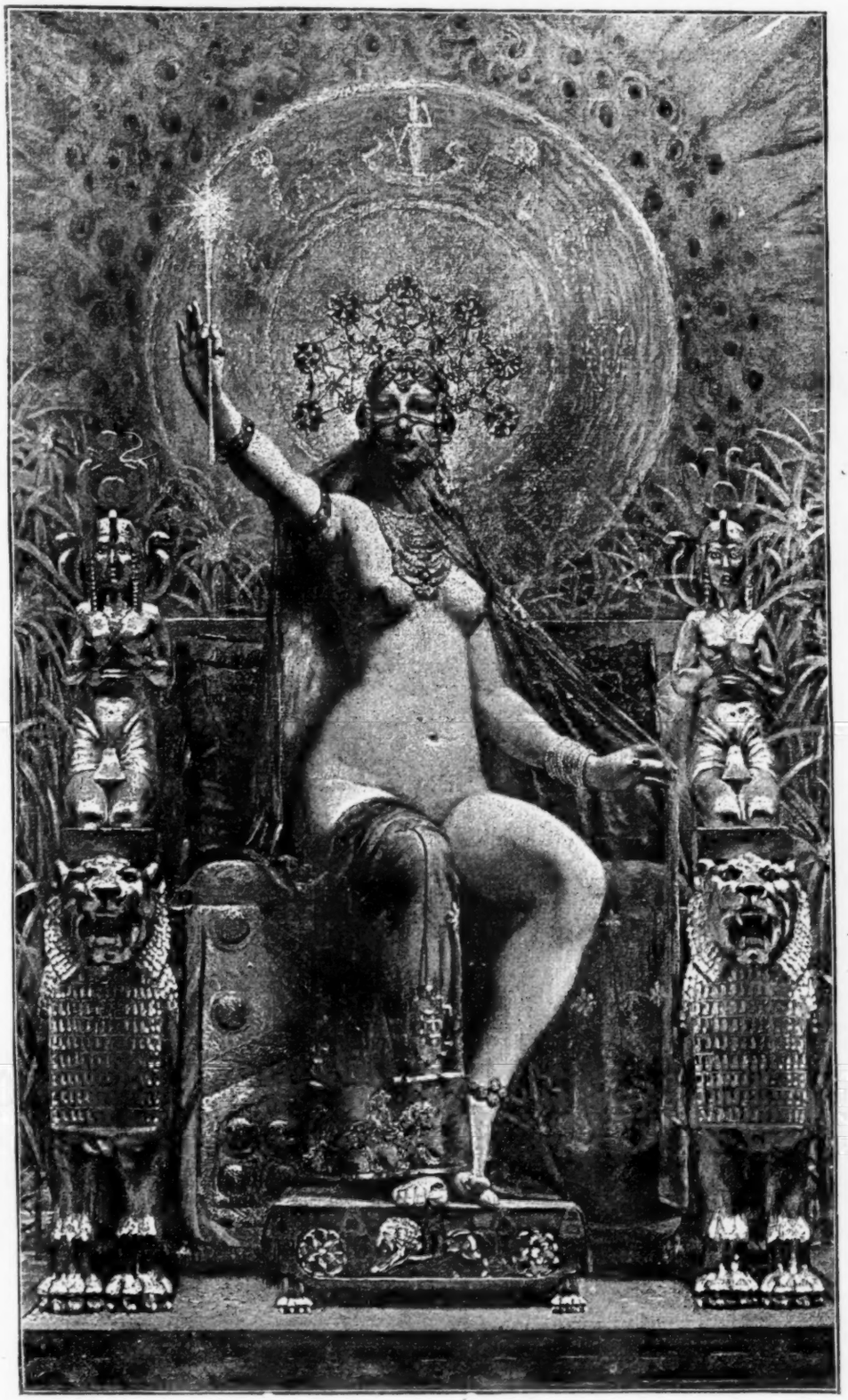
BRICK.—₱ M.	New York. (Wholesale Prices.)	Boston.	Chicago. Prices to Builders and Contractors.	Philadelphia.
Common: *Cargo afloat.*				In Yard.
Pale	3 00 @ 3 50	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 9 00
Jersey	5 00 @ 6 00	Bay State Hard 8 00 @ 9 00		" @ 7 0
Long Island	6 00 @ 6 25	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Salmon @ 5 00
Up River		Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 00
Haverstraw Bay 2nd	6 00 @ 6 25	Philadelphia 40 00 @ 45 00		Light Stretchers @ 10 00
" 1st	6 25 @ 6 50	Phila. mould 50 00 @ 80 00	15 00 @ 27 00	Medium " @ 12 00
Hollow	@ 13 00		65 00 @ 350 00	Red " @ 13 00
Fronts		Anderson 14 00 @ 32 00	45 00 @ 55 00	Dark " @ 13 00
Croton, Brown	@ 13 00		45 00 @ 50 00	Pressed 18 00 @ 20 00
" dark	@ 14 00		25 00 @	Best Paving @ 14 00
" red	@ 14 00		60 00 @ 100 00	Second " @ 13 00
Chicago pressed (Anderson)			30 @	Third " @ 12 00
Chicago Moulded			35 @	
Baltimore	37 00 @ 41 00		55 00 @ 65 00	
Philadelphia	23 00 @ 24 00		@ 100 00	Dom. @ 65
Trenton	22 00 @ 23 00		@ 120 00	@ 85
Milwaukee				
Moulded:				
Glens Falls Red Pressed	@ 37 00			
" " Buff "	@ 30 00			
" " Moulded Red & Buff	45 00 @ 70 00			
Enamelled: *Imp.*				
Enamelled (edge.)	85 00 @ 100 00			
Enamelled (edge and end)	90 00 @ 115 00			
CEMENT, LIME, etc.—(₱ cask.)				
Rosendale Cement	1 10 @ 1 25	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co	1 05 @ 1 30	B S & Co 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 00 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" (Burham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Jonson
" " (Lagerdofer)		2 55 @ 3 0	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not Sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85	2 15 @ 2 50	*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45	3 00	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	6 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	11 50	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25		9 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime
Hydraulic Lime	@ 1 45	@ 1 35		25 @ 30 ₱ bush
Chicago Lime in bulk		St. ohn 1 00	55 @	White Mass
Wisconsin "	@ 90	@ 1 05	60 @	1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 1 10	@ 1 10	*Not sold.*	1 00 @ 1 00
Rockland and Rockport, finish	@ 1 20	@ 1 20	*Not sold.*	
Kelley Island Lime, finish	@ 85	*Not sold.*	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 1 05	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing "	1 20 @ 1 25	1 85 @ 2 00	*Not sold.*	*Not sold*
Plaster of Paris (calcined.)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 50 @ 2 25
" (casting)	16 @ 18	25 @ 30	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ bush	20 @ 22	@ 30	30 @ 25	20 @ 25
" (Goat)	1 00 @ 1 25	1 75 @ 1 90	30 @ 55	30 @ 32
Sand, ₱ load			@ 60	@ 1 50
STONE. (₱ *cubic foot, rough.*)		@ 60		
Granite: (*Maine*)	45 @ 1 85	95 @ 1 00	50 @	55 @ 65
Limestone:	@ 1 00		35 @ 55	
Bedford			35 @ 60	75 @ 90
Joliet			@ 1 00	Richmond
Lemont		10 50 per ton		75 @ 1 50
Serpentine				4 50 ₱ Perch



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Mortar Colors.				
Black, brown, buff ℔ lb.	@ 2½			
Colorific ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (℔ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	75	50 @ 1 00	37 @ 50
Sandstone,				
Longmeadow	@ 80	80 @ 90		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	@ 95	90 @ 1 00	45 @ 50	
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 60	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle, English	@ 1 05	@ 1 05		95 @ 1
Corse Hill (Scotch)	1 05	1 05		
Marble (℔ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not sold.*	2 00 @ 2 50
Rutland, white and Blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	350 @ 6 00	1 70 @ 3 00
Glens Falls, black			*Not sold.*	4 00 @ 4 50
Italian, blue-veined			@ 4 40	2 50 @ 2 75
" Sienna			*Not sold.*	@ 5 00
Tennessee, red			@ 4 40	4 00 @ 6 00
" Knoxville			@ 4 40	3 00 @ 4 00
Pennsylvania, blue			*Not sold.*	2 00 @ 3 00
Vermont, white		@	3 50 @ 6 00	2 25 @ 3 00
Slate; Roofing (℔ *square*)				
" green	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" purple	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" red		10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
" " Chapmans		@	7 30 @ 8 00	4 00 @ 4 65
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am. ℔ M			*Not sold.*	@ 25 00
N. Peach Bottom, warranted unfading				6 00 @ 6 75
PAINTS. (*In oil,* ℔ *lb.*)				
White lead, Am.	7 @ 7½	7½ @ 7½	6½ @ 7	@ 7½
" Zinc, "	5 @ 8½	7½ @ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	7½ @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. 7
" Vermilion	65 @ 70	75 @ 80 dry	65 @ 68	Eng. 76
Red Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	21
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	52 @ 58	56 @ 57	57 @ 60	@ 60
" " boiled (℔ gal.)	54 @ 62	59 @ 60	60 @ 63	@ 63
Turpentine (℔ gal.)	41 @ 42	45 @ 46	51 @ 51	@ 44
Varnish, coach (℔ gal.)		1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac		2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	2 @	2 @ 4	02 @ 02½	2 @ 2½
Whiting } dry	75 @ 1 00	1 @ 1½	1 @ 1½	½ @ 1
Paris white, (Eng.,) } dry	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am	5½ @ 6		6½ @ 7	
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber, "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 50	@ 3 65	3 60 @ 4 75
Finishing nails according to size.			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add* 75c. *per keg.*)			" .50 to .90	Add pr cask
Butts: 4" x 4" (℔ doz. pairs.)				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish ℔ pair.	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (for cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (℔ *Set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Homacite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:			13 @ 16	13½ @ 16
Sheet Lead		@ 8	7	@ 6½
Lead Pipe		@ 7½	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft	3 3-10 @ 3½	@ 3 1-10	3.20 @ 3 70	@ 2 8-10
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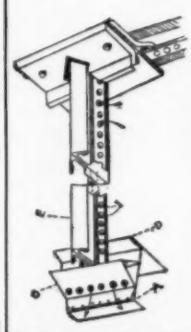

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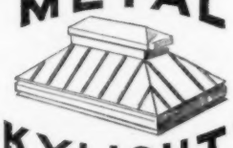

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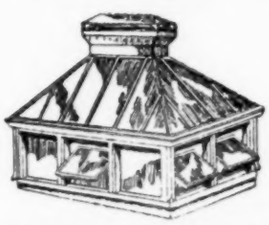

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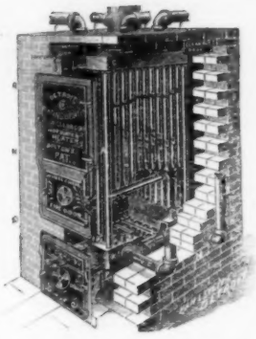

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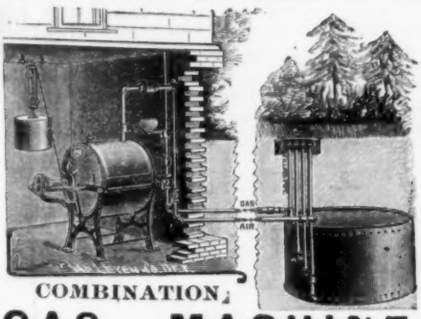

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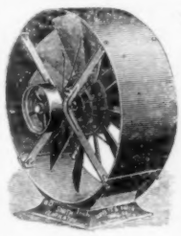

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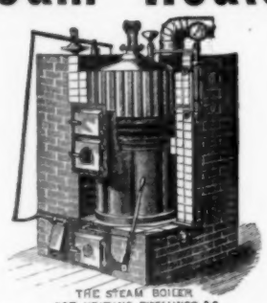

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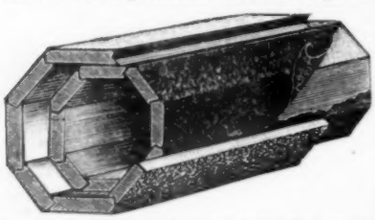

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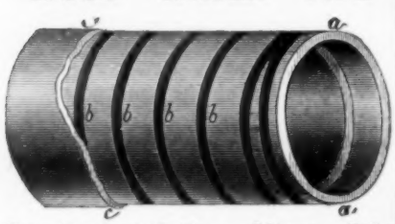

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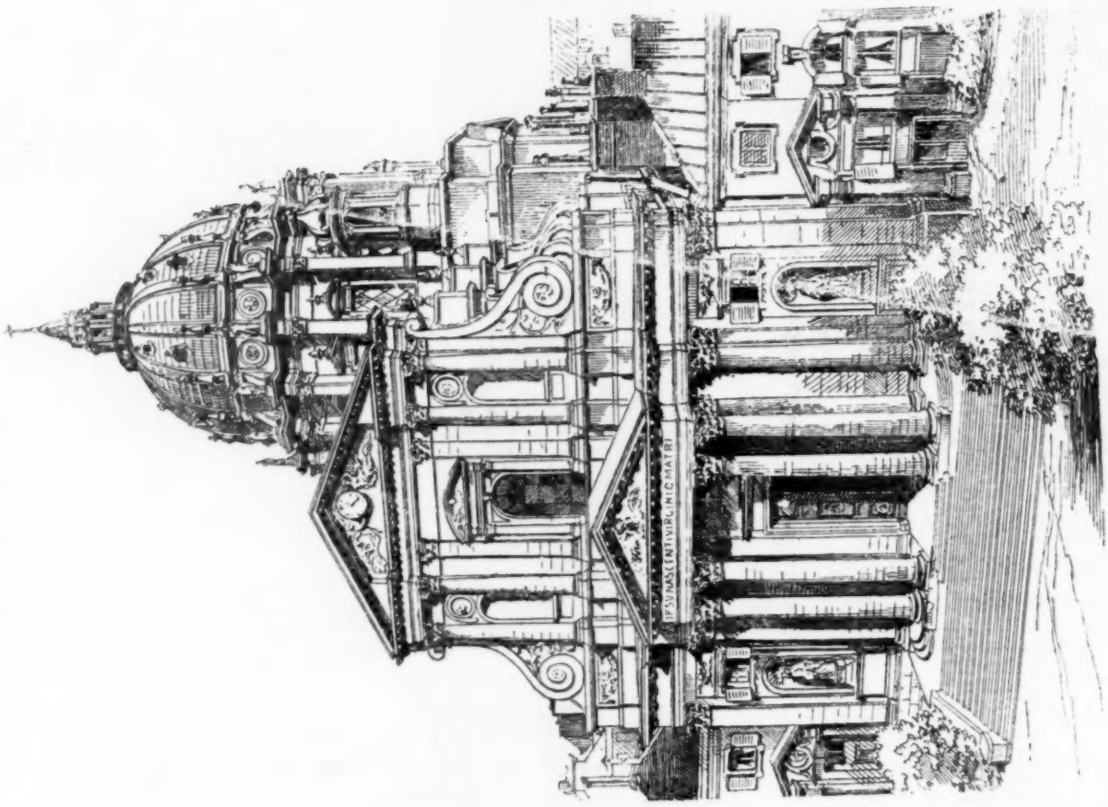

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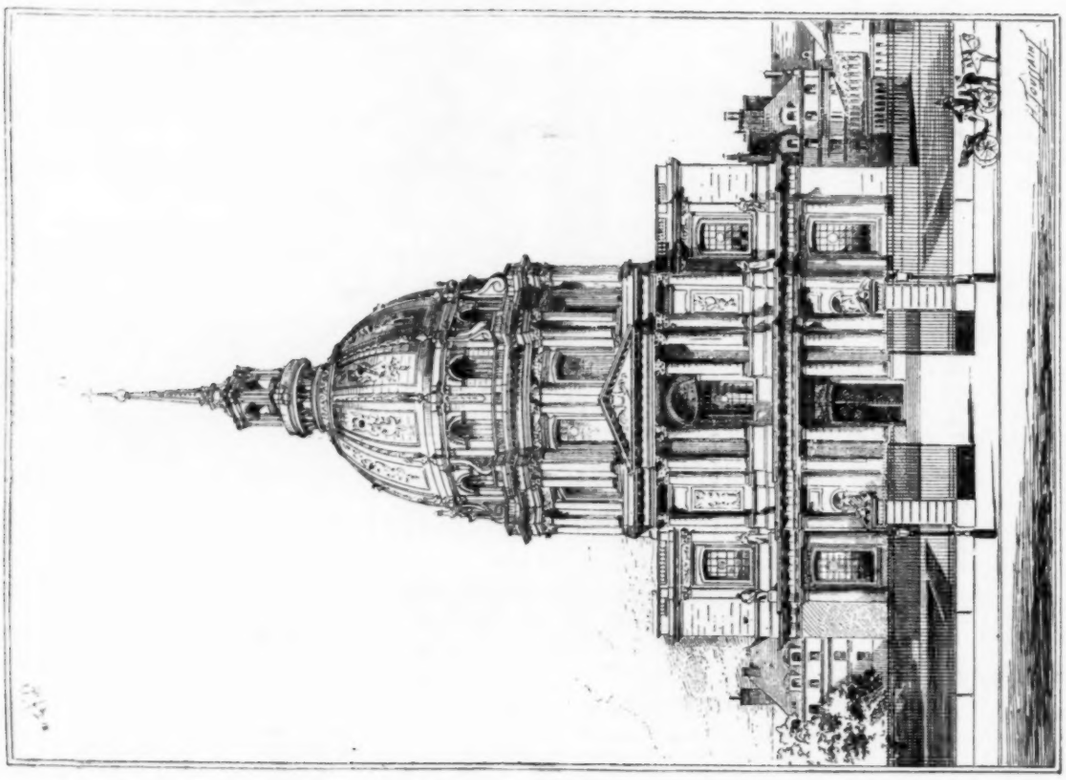

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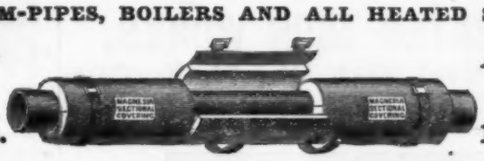

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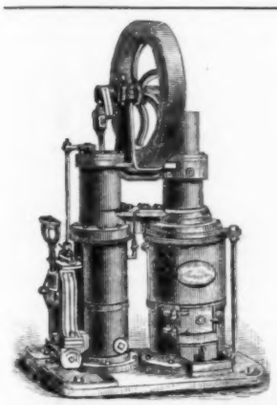

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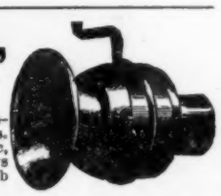

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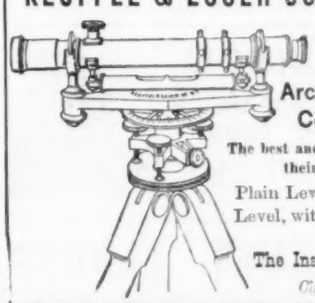

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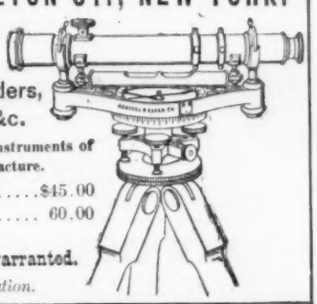

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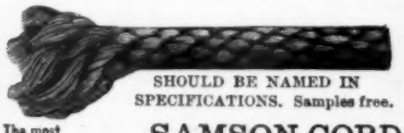

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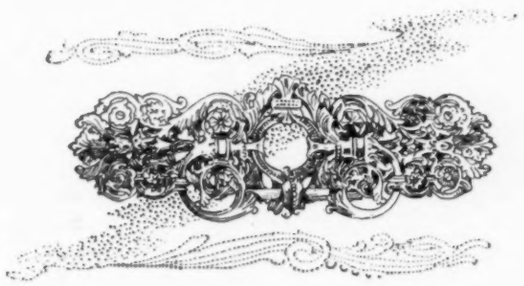

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[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

444,840. Window-Bead Fastener.—John Lowendahl, Chicago, Ill.
444,841. Hygienic Stove. — Frederick W. Merriam, North Adams, Mass.
444,842. Paint. — Nathan J. Mitchell, Philadelphia, Pa.
444,869. Door-Bolt. — Arnold W. Zimmerman, Washington Heights, Ill.
444,885. Lock.—William F. Hyatt, Brooklyn, N. Y.
444,897. Carpenter's Plane. — Oliver Longval, Millbury, Mass.
444,902. Shingle-Painting Machine. — Charles Cuno, Milwaukee, Wis.
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444,940. Air-Moistening Apparatus. — Emil H. Oehlmann, Berlin, Germany.
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444,961. Conflagration-Arrester. — Florence N. Puckett, Whitesborough, Texas.
444,967. Smoke-Deflector.— John Wisdom, Chicago, Ill.
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From Bermuda. — Steamer "*Orinoco*," 225 tons asphalt, Samuel Reynard.

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From Hull. — Steamer "*Colorado*," 286 casks bricks, Howard Fleming.

From Laguna. — Schooner "*Henrietta J. Powell*," 500 cedar logs, Wm. Wicke & Co. Schooner "*Maxwel R. Cuza*," 192 logs mahogany, 35 log ends do., Thebaud Bros. Schooner "*James Slater*," 175 logs mahogany, 7 log ends do., Joseph Ware.

From Leghorn. — Steamer "*Alexandria*," 16 blocks marble, 22 do., order.

From London. — Steamer "*Denmark*," 1,750 casks cement, Howard Fleming.

From Manzanilla. — Schooner "*Lida Fowler*," 83 logs mahogany, 180 do. cedar, Thomas J. Owens & Co.

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BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

ALTERATIONS.

Boston, Mass. — *Washington St., No.* 259, Ward 10, alterations to building for offices, etc.; owner, C. P. Greenough; builder, H. McLaughlin.

Washington St., additions to the Adams House; store on ground-floor and 53 rooms above; contract to be let; architect, W. Whitney Lewis.

Brooklyn, N. Y. — *Bridge St.*, n e cor. Myrtle Ave., three-st'y frame storage warehouse, one-st'y addition and alterations; cost, $4,000; owner, Mr. Mason, on premises.

Chicago, Ill. — William Schuledere, one-st'y addition, 255 West Division St.; cost, $1,400.

F. C. Schmidt, 2 one-st'y additions, South Chicago and Cottage Grove Aves.; cost, $1,000.

German Lutheran Church, two-st'y addition, 848 Belmont Ave.; cost, $1,000.

J. E. Young, addition, 231 Robey St.; cost, $2,500.

William Hackmaster, two-st'y addition, 206 Belmont Ave.; cost, $1,000.

Patrick O'Connell, two-st'y addition, 35 Ray St.; cost, $1,100.

H. Knies, addition, 5300 Emerald Ave.; cost, $1,000.

Jacob Kodown, addition, 4732 Throop St.; cost, $1,000.

John Goedel, two-st'y addition, 920 Wentworth Ave.; cost, $1,200.

George Hansch, one-st'y addition, 5332 Dearborn St.; cost, $1,000.

Peter Ackels, two-st'y addition, 958 Lincoln Ave.; cost, $1,200.

New York, N. Y. — *Canal St., No.* 31, five-st'y brick tenement, raised to 50 feet and interior alterations; cost, $3,500; owner, Abraham Siegel, 200 Grand St.; architect, Fred Ebeling, 3 First Ave.

East Thirty-seventh St., No. 229, four-st'y brick tenement, extension and interior alterations; cost, $6,000; owner, Wm. Hasselberger, 229 East Thirty-seventh St.; architect, Fred Ebeling, 3 First Ave.

West Fourteenth St., No. 212, four-st'y brick flat, extension and internal alterations; cost, $12,000; owner, Wm. Rhinelander, 18 West Forty-eighth St.; architects, Hubert, Pirson & Hoddick, 49 West Twenty-eighth St.

Spring St., No. 99, six-st'y brick factory and store, fire-damages to be repaired; cost, $3,300; owner, Edward H. Caster, 10 Wall St.; builders, H. Cutter & Son, 1 Doyer St.

Centre St., Nos. 241-245, seven-st'y brick factory, fire-damages to be repaired; cost, $15,000; owner, August Trenkenham, 249 Centre St.; architects DeLemos & Cordes, 408 West One Hundred and Third St. and 18 East One Hundred and Twenty-eighth St.

West One Hundred and Twenty-fifth St., Nos. 145-147, three-st'y brick club-house, extension; cost, $5,000; owners, The Republican Club, 24 West One Hundred and Twenty-fifth St.; architect, F. A. Fiston, 246 West One Hundred and Twenty-fifth St.

Philadelphia, Pa. — *Adams St., No.* 1230, front alteration; contractor, Wm. M. France, 4444 Wingohocking Ave.

APARTMENT-HOUSES.

Boston, Mass — *Dundee St.*, cor. Dalton St., four-st'y brick apartments, flat roof, 63.3′ x 69.3′; owner and builder, T. R. White.

Chicago, Ill.— Oehlberg & Sundell, 2 two-st'y flats, 819-821 Seminary Ave.; cost, $5,000.

Henry Bosse, two-st'y flats, Muskegon Ave.; cost, $1,000.

(*Continued on page* xix.)

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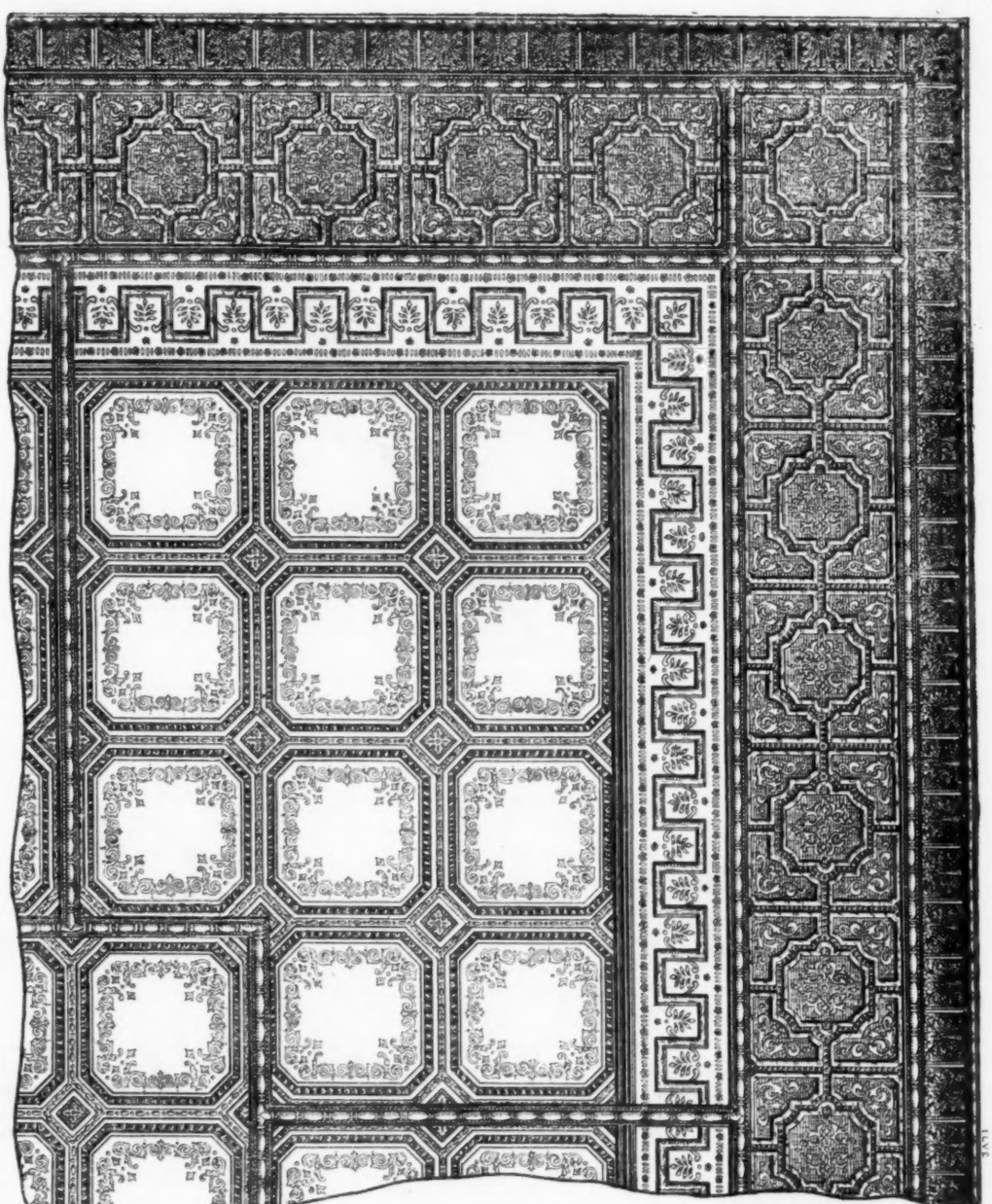

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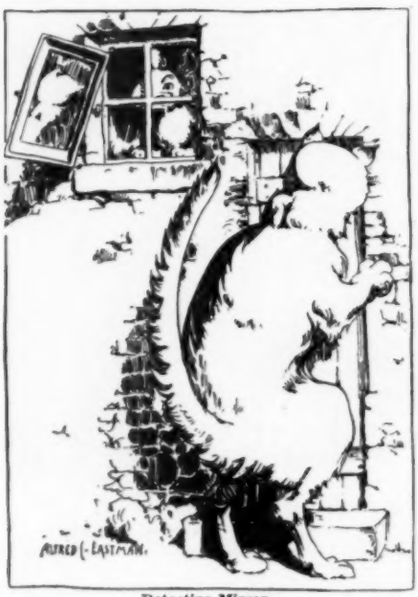

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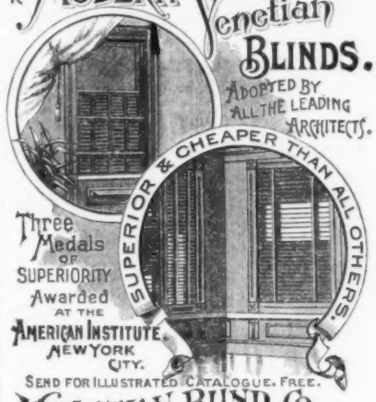

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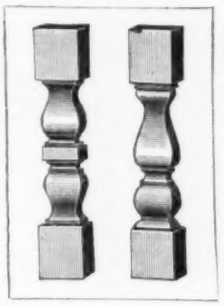

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Samuel Gans, three-st'y flats, 976 Washington Boulevard; cost, $6,000.
Fred Brade, two-st'y flats, 2335 Chicago Ave.; cost, $1,500.
Edwin J. Lewis, 3 three-st'y flats, 126 Warren Ave.; cost, $13,000.
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BUILDING INTELLIGENCE.

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G. Garrett, two-st'y flats, Eighty-first and Duncan Sts.; cost, $2,500.
F. Garst, 2 four-st'y flats, 2346 Calumet Ave.; cost, $20,000.
L. Schoenfeld, 2 four-st'y flats, 3137-39 Cottage Grove Ave.; cost, $12,000.
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New York, N. Y.—*Sixty-fifth St.*, n s, 220′ w Central Park, West, five-st'y brick flat, tin roof; cost, $26,000; owner, James O'Brien, 460 West Forty-third St.; architect, George Keister, 55 West Thirty-third St.

One Hundred and Nineteenth St., s s, 175′ w Eighth Ave., 3 five-st'y brick and stone flats; cost, $66,000; owner, Thos. Caroman.

Eighty-fifth St., n e cor. West End Ave., six-st'y brick and stone flat; cost, $45,000; owners, Gordon Bros.; architect, G. A. Schellenger.

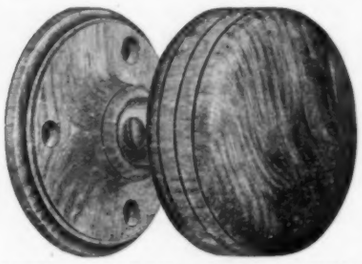
West Central Park, 55′ 6″ n Eighty-third St., seven-st'y brick flat, tin roof; cost, $100,000; owner, Edward Purcell, 296 Potter Building; architects, Danmar & Fisher, 38 Park Row.

One Hundred and Twenty-seventh St., s s, 225′ w Second Ave., 3 five-st'y brick flats, tin roofs; cost, $67,500; owner, Thomas J. Robinson, 449 East One Hundred and Twenty-fifth St.; architect, John C. Burne, 1531 Third Ave.

Henry St., No. 96, five-st'y brick flat, tin roof; cost, $20,000; owners, Fay & Stacom, 337 Pleasant Ave.; architect, Charles Rentz, 153 Fourth Ave.

One Hundred and Fifth St., n s, 170′ e Madison Ave., 3 five-st'y brick flats, tin roofs; cost, $63,000; owners, Feehan & Hammer, 1113 Second Ave.; architect, John C. Burne, 1531 Third Ave.

East Eighty-fifth St., No. 212, five-st'y brick flat, tin roof; cost, $22,000; owners, Cavanito Bros., 147 Willis Ave.; architect, John C. Burne, 1531 Third Ave.



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Ninety-fourth St., n s, 250′ e Third Ave., 2 five-st'y brick flats, tin roofs; cost, $36,000; owner, Jacob Fischer, 1953 Second Ave.; architect, Fr. S. Barus, 611 East One Hundred and Fifty-first St.

Vandam St., s w cor. McDougal St., five-st'y brick flat, tin roof; cost, $45,000; owners, Downy & Curry, 240 East One Hundred and Fifteenth St. and 715 Tenth Ave.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Vandam St., s s, 62′ w McDougal St., five-st'y brick flat, tin roof; cost, $22,000; owners, Downy & Curry, 240 East One Hundred and Fifteenth St. and 715 Tenth Ave.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

One Hundred and First St., n s, 324½′ w Ninth Ave., five-st'y brick flat, tin roof; cost, $22,000; owner, Gustav Boehm, Long Island City; architect, Fred J. Miller, 599 Morris Ave.

Eighth Ave., w s, One Hundred and Seventeenth to One Hundred and Eighteenth St., s five-st'y brick flats, tin roofs; cost, $169,000; owner, Elizabeth Johnson, 75 East Eightieth St.; architects, A. B. Ogden & Son, 1031 Madison Ave.

First Ave., n w cor. One Hundred and Fifth St., 4 five-st'y brick and stone flats; cost, $80,000; owner, S. T. Bennett; architects, Walgrove & Israel.

One Hundred and First St., 150′ e Ninth Ave., five-st'y stone and buff brick flat; cost, $16,000; owner, Wm. M. Walsh; architect, R. R. Davis.

Seventy-eighth St., s s, 106′ w Columbus Ave., six-st'y stone front apartment-house; cost, $60,000; owner, Hy. Malbrunn; architect, G. A. Schellinger.

West Thirty-fifth St., *No.* 35, five-st'y brick flat, tin roof; cost, $38,000; owner, Ayerigg estate, 240 East Eighty-sixth St.; architect, Daniel Burgess, 240 East Eighty-sixth St.

Market St., s w cor. Henry St., six-st'y brick flat, tin roof; cost, $40,000; owners, Fay & Stacom, 337 Pleasant Ave.; architect, Charles Rentz, 153 Fourth Ave.

West Central Park, 59′ 6″ n Eighty-third St., seven-st'y brick flat, plastic slate roof; cost, $100,000; owner, Edward Purcell, 296 Potter Building; architects, Danmar & Fischer, 38 Park Row.

One Hundred and Seventeenth St., s s, 100′ e Morningside Ave., 4 five-st'y brick flats, tin roofs; cost, $80,000; owner, Michael Samelson, 1646 Madison Ave.; architect, Will A. O'Hea, 330 West One Hundred and Forty-fifth St.

Seventeenth St., n s, 250′ w Ninth Ave., 2 five-st'y brick flats, tin roofs; cost, $40,000; owner, Thomas McQuade, 220 East Eightieth St.; architect, John C. Burne, 1531 Third Ave.

Sixty-fifth St., n s, 200′ w Eighth Ave., five-st'y brick flat, tin roof; cost, $18,000; owner, James O'Brien, 469 West Forty-third St.; architect, Geo. Keister, 55 West Thirty-third St.

One Hundred and Second St., s s, 300′ w Columbus Ave., 5 five-st'y brick flats, tin roofs; cost, $100,000; owner, Thomas McQuire, 163½ West One Hundred and Second St.; architect, James W. Cole, 403 West Fifty-first St.

Monroe St., *No.* 11, five-st'y brick flat, tin roof; cost, $17,000; owner, J. L. Buttenweiser, 227 East Sixtieth St.; architect, Geo. F. Pelman, 1481 Broadway.

Scammell St., *No.* 36, five-st'y brick flat, tin roof; cost, $17,000; owners, Weil & Mayer, 227 East Sixtieth St.; architect, G. F. Pelham, 1481 Broadway.

Madison St., *No.* 125, five-st'y brick flat, tin roof; cost, $20,000; owners, Fay & Stacum, 1337 Pleasant Ave.; architect, Charles Rentz, 153 Fourth Ave.

One Hundred and Twenty-eighth St., n s, 125′ e Lenox Ave., 3 five-st'y brick flats, tin roofs; cost, $60,000; owner, Patrick Hogan, 1614 Lexington Ave.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Allen St., *Nos.* 9-11, 2 five-st'y brick flats, tin roofs; cost, $36,000; owner, Manassah L. Goldman, 27 Eldridge St.; architect, William Graul, 215 Bowery.

Ludlow St., *No.* 26, six-st'y brick flat, tin roof; cost, $26,000; owner, Morris Deubosky, 173 East Broadway; architect, Herman Horenberger, 99 East Third St.

Lewis St., *No.* 27, five-st'y brick flat, tin roof; cost, $22,000; owner, Michael H. Barry, 2396 Third Ave.; architect, John C. Burne, 1531 Third Ave.

One Hundred and Thirteenth St., n s, 270′ w Third Ave., 2 five-st'y brick flats, tin roofs; cost, $44,000; owner, Simon Schafer, 352 East One Hundred and Fourteenth St.; architect, Edward Wenz, 1491 Third Ave.

Ninety-eighth St., n s, 375′ e Ninth Ave., five-st'y brick flat, tin roof; cost, $20,000; owner, Gregory Lahy, Bath Beach, L. I., N. Y.; architect, Edward Wenz, 1491 Third Ave.

East Twenty-fifth St., *No.* 319, five-st'y brick flat, tin or cement roof; cost, $20,000; owner, George B. McEntyre, 241 West Forty-ninth St.; architect, G. A. Schellenger, 128 Broadway.

One Hundred and Nineteenth St., s s, 100′ e Eighth Ave., 3 five-st'y brick flats, tin roofs; cost, $54,000; owner, Thomas Cowman, 458 West Fifty-first St.; architect, F. A. Minuth, 822 Broadway.

East Seventh St., *No.* 97, five-st'y brick flat, tin roof; cost, $21,000; owner, Charles Ruff, 228 East Tenth St.; architects, Schneider & Herter, 48 Bible House.

East Seventh St., *No.* 99, five-st'y brick flat, tin roof; cost, $30,000; owner, Charles Ruff, 229 East Tenth St.; architects, Schneider & Herter, 48 Bible House.

Baxter St., *No.* 64, five-st'y brick flat, tin roof; cost, $20,000; owner, Louis Levy, 46 Baxter St., architect, Fred Ebeling, 3 First Ave.

Ninetieth St., s s, 300′ e Second Ave., 2 five-st'y brick flats, tin roofs; cost, $36,000; owners, Higgins & King, 307 East Seventh St. and 138 East Eightieth St.; architects, Thom & Wilson, 1267 Broadway.

Twenty-seventh St., n s, 368′ w Ninth Ave., 3 five-st'y brick and stone flats; cost, $90,000; owner, Homer J. Beaudet; architect, Rd. Davis.

Leroy St., n s, 200′ w Bedford St., 2 five-st'y brick and stone flats; cost, $42,000; owners, Stevens & McElroy; architect, John C. Burne.

CHURCHES.

Atlanta, Ga.—Edifice for the Baptists, to cost about $80,000; architects, Lamm & Hunt, Chattanooga, Tenn.

Cedartown, Ga.—The Baptists will build a church, to cost about $12,000.

Jackson, Miss.—A church, to cost about $15,000, is contemplated by the Presbyterians.

New York, N. Y.—*Second St.*, *Nos.* 59-63, three-st'y brick church, peak slate and tin roof; cost, $65,000; owner, N. Y. C. Mission Tract Society, 111 Broadway; architects, J. C. Cady & Co., 11 Broadway.

The Collegiate Reformed Church of Fifth Ave. and Twenty-ninth St. have purchased a lot on the cor. of Fifth Ave. and Forty-eighth St., and will build a new edifice.

Philadelphia, Pa.—*Oxford Pike*, e s, n Toll Gate, chapel; contractor, Charles Auchter, 1523 North Twenty-seventh St.

Sheffield, Ala.—The Christian Church contemplate building an edifice, to cost $15,000.

FACTORIES.

Chicago, Ill.—Northwestern Terra-cotta Co., four-st'y factory, 74-76 Commercial St.; cost, $10,000.

William Knoke, two-st'y factory, 294-296 North Halsted St.; cost, $20,000.

L. I.. Leich & Sons, two-st'y factory, 550-560 West Fifteenth St.; cost, $30,000.

Martin Renny, six-st'y factory, 976-982 Troy St.; cost, $2,600.

St. Nicholas Mfg. Co., two-st'y factory, 208-212 Fullerton Ave.; cost, $15,000.

New York, N. Y.—*Mott Ave.*, e s, 392′ n One Hundred and Thirty-eighth St., five-st'y brick factory, gravel roof; cost, $10,000; owner, Francis Bacon, Broxville, N. Y.; architect, H. Edwards Ficken, 19 West Twenty-second St.

HOTELS.

New Orleans, La.—Sully & Toledano have prepared plans for a 300-room hotel, seven stories, to cost about $750,000.

New York, N. Y.—*Boulevard*, s w cor. Seventy-first St., seven-st'y brick and stone fireproof hotel; cost, $200,000; owner, Albert Flake; architect, Ralph S. Townsend.

HOUSES.

Baltimore, Md.—J. E. Warfield, three-st'y brick building, s s Hollins St., e Parkin St.; and 4 two-st'y brick buildings, n s Boyd St., in rear.

Geo. C. Hershman, 7 two-st'y brick buildings, s s Lancaster St., bet. Luzerne and Glover Sts.

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Boston, Mass.—*Stockton St.*, near Milton Ave., Ward 24, two frame dwells., 23′ x 33′; owner and builder, J. F. Haddock.

Clarendon Ave., near Beech St., Ward 23, frame dwell., 22′ x 34′; owner, Abraham Brandley; builder, James Hunter.

Blue Hill Ave., Nos. 194-200, Ward 20, 2 four-st'y frame dwells. and stores, flat roofs, 23′ x 66.9′; owner, Matthew Scullion; builder, F. W. Copeland.

Bearse St., cor. Crest Ave., Ward 24, three-st'y frame dwell., flat roof, 24′ x 37′; owner and builder, P. O'Hearn.

Landseer St., near Bellevue St., Ward 23, frame dwell., 24′ x 40′; owner, C. A. Wilson; builder, J. M. Kelley.

Brookline, Mass. — *Aspinwall Ave.*, cor. Perry St., frame dwell., 36′ x 53.6′; builder, H. H. Hunt; architect, Samuel J. Brown, Boston.

Brooklyn, N. Y. — *Pacific St.*, n s, 100′ e Rockaway Ave., 6 two-st'y frame dwells., tin roofs; cost, $3,000 each; owner, Raynold C. Schreffers, 387 Glenmore St.

George St., s s, 175′ e Evergreen Ave., three-st'y frame dwell., tin roof; cost, $4,500; owner, Balthasar Dombach, 38 Bartlett St.; architect, Th. Engelhardt, 905 Broadway.

Jefferson St., s s, 253′ 11 ½″ w Evergreen Ave., 2 three-st'y frame dwells., tin roofs; cost, $8,000; owner, George Loeffler, 78 Jefferson St.; architect, Th. Engelhardt, 905 Broadway.

Ellery St., No. 189, bet. Delmonico Pl. and Throop Ave., four-st'y frame dwell., tin roof; cost, $5,500; owner, B. Mueller, 189 Ellery St.; architects, David Acker & Son, 752 Broadway.

Ellery St., s s, 50′ e Throop Ave., four-st'y frame dwell., tin roof; cost, $5,500; owner, Fred Hauck, on premises; architects, D. Acker & Son, 752 Broadway.

Schenck Ave., e s, 125′ s Blake Ave., 3 two-st'y frame dwells., tin roofs; cost, $1,600 each; owner, S. Ferris Owen; architects, Danmar & Fischer, 2921 Atlantic Ave.

Arlington Ave., s s, 40′ e Jerome St., two-st'y frame dwell., shingle roof; cost, $4,000; owner, Fred J. Swift, 2921 Atlantic Ave.; architects, Danmar & Fischer, 2921 Atlantic Ave.

Debevoise St., s s, 150′ w 2 four-st'y frame dwells., tin roofs; cost, $5,500 each; owner, J. Wolfart, 29 Ellery St.; architects, David Acker & Son, 752 Broadway.

Ellery St., s s, 225′ e Tompkins Ave., three-st'y frame dwell., tin roof; cost, $4,500; owner, V. Bruckhauser, 739 Park Ave.; architects, D. Acker & Son, 752 Broadway.

Wallabout St., s s, 125′ w Throop Ave., four-st'y frame dwell., tin roof; cost, $6,000; owner, Peter Weber, 108 Debevoise St.

Nassau St., n s, 26′ e Kingsland Ave., 8 two-st'y frame dwells., tin roofs; cost, $2,200 each; owner, Paul C. Grennig, 420 Gates Ave.; architects, H. Haug & Co., 77 Rodney St.

Greene Ave., s s, 210′ e Central Ave., 4 three-st'y frame dwells., tin roofs; total cost, $15,000; owner, George Covert, Willoughby and Lewis Aves.; architect, Henry Loeffler, Jr., 788 Myrtle Ave.

Halsey St., s s, 95′ w Broadway, 2 three-st'y frame dwells., tin roofs; cost, $4,500 each; owner, builder and architect, John Rueger, 250 Moore St.

Prospect Ave., s s, 200′ e Third Ave., three-st'y frame dwell., tin roof; cost, $4,500; owner, F. J. Duffy, 114 Eighteenth St.; architect, J. T. Duffy, 266 Prospect Ave.

Gwinette St., s s, 122′ e Harrison Ave., four-st'y frame dwell., tin roof; cost, $7,200; owner, J. Haaf, 162 William St.; architect, Frank Holmberg, 1161 Broadway.

Decatur St., s s, 300′ w Lewis Ave., 2 three-st'y brick dwells., tin roofs; cost, $5,000 each; owner, Wm. Dick, 552 West Forty-eighth St., New York City; architect, Henry Davidson, 222 Ninth Ave., New York City.

Lorimer St., e s, 75′ s Conselyea St., three-st'y frame dwell., tin roof; cost, about $4,000; owner, Jacob Hoffmann, 63 Ten Eyck St.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

McDonough St., s s, 180′ e Sumner Ave., 5 three-st'y brick dwells., tin roofs; total cost, $35,000; owner, Peter Y. Kyle, 308½ Twenty-third St.; architect, John L. Young, 287 Halsey St.

Union St., No. 358, s s, five-st'y brick dwell., tin roof; cost, $18,000; owners, Whalen Bros., 166 Smith St.; architect, Henry Vollweiler, 486 Hart St.

Lorimer St., e s, 60′ s Conselyea St., three-st'y frame dwell., tin roof; cost, $3,000; owner, Jacob Hoffmann, 63 Ten Eyck St.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Suydam St., n s, 225′ e Hamburg Ave., 9 three-st'y frame dwells., tin roofs; cost, $6,500 each; owner, A. Sedelmayer, 135 Hamburg Ave.; architect, Frank Holmberg, 1161 Broadway.

Walton St., n s, 125′ e Harrison Ave., three-st'y frame dwell., tin roof; cost, $4,500; owner, Jeannette Johnston, 101 Walton St.; architect, H. W. Billard, 99 Broadway.

Second Ave., e s, 40′ n Fifty-third St., 3 three-st'y frame dwells., tin roofs; cost, $2,600 each; owner, Levi V. Martin, on premises.

Ellery St., No. 242, bet. Throop and Sumner Aves., three-st'y frame dwell., tin roof; cost, $3,000; owner, Frederick Stoll, 242 Ellery St.; architects, David Acker & Son, 752 Broadway.

Walworth St., e s, 300′ s Willoughby Ave., 2 three-st'y frame dwells., tin roofs; cost, $4,000 each; owner, Wm. A. Rae, 394 Gates Ave.; architect, C. A. Povie.

Walworth St., e s, 44′ 6″ e Willoughby Ave., three-st'y frame dwell., tin roof; cost, $4,000; owner, Wm. P. Rae, 394 Gates Ave.; architect, C. A. Povie.

Chestnut Hill, Mass. — *Commonwealth Ave.*, cor. Selkirk Road, wood and stone dwell., 40′ x 90′, and frame stable; owner, Benjamin Phipps; contract to be let; architects, Loring & Phipps, Boston.

Chicago, Ill. — J. Suverson, cottage, 929 Kedzie Ave.; cost, $1,200.

J. L. Davenport, cottage, 2745 West Madison St.; cost, $1,200.

H. Higtidt, two cottages, 285-286 Cortland St.; cost, $1,600.

C. A. McLogan, two-st'y dwell., 6722 Winter St.; cost, $2,000.

Mrs. Lindinger, two-st'y dwell., 1563 Fillmore St.; cost, $1,500.

S. Kargar, three-st'y dwell., 3661 Michigan Ave.; cost, $10,000.

A. Larson, five cottages; cost, $5,000.

Jacob Webber, cottage, 229 Jansen St.; cost, $1,000.

Mrs. Julia De Grut, cottage, 94 North Stony Island Ave.; cost, $1,000.

L. Spear, two-st'y dwell., 5319 Madison Ave.; cost, $3,600.

A. M. Nelson, four cottages, 2304-2306 Wein St.; cost, $2,000.

Mrs. Scales, two-st'y dwell., 6251 Harvard St.; cost, $4,500.

W. B. Crone, three-st'y dwell., 339 South Ashland Boulevard; cost, $7,000.

Mrs. Elenora Akens, cottage, Armour Ave., near Forty-ninth St.; cost, $1,200.

A. M. Parish, two-st'y dwell., Irving Ave. and Sixty-eighth St.; cost, $1,000.

Christ. Kalkowsky, cottage, 242 Harvey St.; cost, $1,500.

Martin Potgir, cottage, 962 Elk Grove Ave.; cost, $1,500.

John Erickson, two-st'y dwell., Parnell Ave., near One Hundred and Thirty-third St.; cost, $1,300.

William Schneeger, cottage, Exchange Ave. and Ninety-seventh St.; cost, $1,500.

A. E. Kesler, two-st'y dwell., Wright and Sixty-seventh Sts.; cost, $2,200.

Dr. Charles H. Whitman, two-st'y dwell., Princeton and Maple Sts.; cost, $4,000.

F. G. Springer, 11 two-st'y dwells., 804-28 Cottage Grove Ave.; cost, $30,000.

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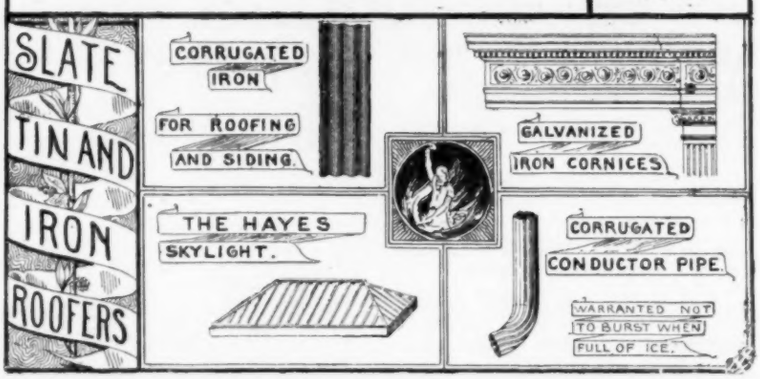

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Charles W. Jackson, two-st'y dwell., Sixty-sixth St., near Stewart Ave.; cost, $2,000.

William Suemnicht, cottage, 786 Perry Ave.; cost, $2,000.

Frank Farnam, 8 two-st'y dwells., 1095-1109 Wilcox Ave.; cost, $20,000.

Peter Kirchen, cottage, Ashland Ave., near North Ave.; cost, $1,000.

Nicholas Strough, cottage, Ninety-fifth St. and Commercial Ave.; cost, $1,000.

D. M. Dannett, two cottages, 7322-24 Sangamon cost, $12,000.

August Nirschwyzskwi, cottage, 35 Hamberg St; cost, $1,350.

Mike Pinkowski, cottage, 214 North Western Ave.; cost, $1,300.

C. H. Godey, two-st'y dwell., 2002 Jackson St.; cost, $1,800.

Henry Davies, two-st'y dwell., 326½ Flourney St.; cost, $2,500.

James B. Mills, two-st'y dwell., 1171 Central Park Boulevard; cost, $2,700.

Otto K. Petch, two-st'y dwell., Reed Pl., near Clark St.; cost, $2,000.

Cincinnati, O. — C. H. Curtis, two-st'y frame dwell., McNillian St.; cost, $2,500; architect, Louis Rickets.

Wm. Nostheid, owner and architect, one-and-one-half-st'y frame dwell.. Harrison Pike; cost, $3,000.

Henry Dickson, frame dwell. and store, Colerain Ave.; cost, $3,500; architect, Chas. Diss.

L. B. Waite, two-and-one-half-st'y frame dwell., Hawthorn St.; cost, $3,000; architect, S. S. Godley.

John Hugo, two-and-one-half-st'y frame dwell., Wayner St.; cost, $3,000; architects, G. & A. Brink.

E. Kuesner, two-and-one-half-st'y frame dwell., Lehman St.; cost, $2,500; architect, J. Ruckert.

Greenfield, Mass. — W. N. Snow of Interstate Mortgage and Trust Co., dwell.

Medford, Mass. — *Chestnut St.*, cor. Oakland St., frame dwell., 43′ x 45′; owner, Daniel J. Puffer; builders, Ham & Hopkins; architect, Samuel J. Brown, Boston.

Newton, Mass. — Frame dwell., 40′ x 54′; owner, Dr. Albert B. Jewell; contract to be let; architect, Samuel J. Brown, Boston.

New York, N. Y. — *Ninetieth St.*, n s, 220′ w Central Park, West, 3 three-st'y brick dwells., tin roofs; cost, $36,000; owner, Jas. Brown, 164 West Ninety-second St.; architect, G. F. Pelham, 1481 Broadway.

Croton Ave., n s, 100′ e Broad St., three-st'y frame dwell., peak shingle roof; cost, $4,000; owner, John H. Metzler, 27 Rogers Pl.; architect, J. J. Vreeland, 1731 Washington Ave.

Arcularius Pl., s s, 399′ e Girard Ave., 2 three-st'y frame dwells., mansard, tin and gravel roofs; cost, $8,000; owner, James McLean, Syracuse, N. Y.; architect, I. H. P. Inslie, 1629 Madison Ave.

St. Ann's Pl., n s, 60′ e Webster Ave., two-st'y frame dwell., peak shingle roof; cost, $3,500; owner and architect, Louis Kayser, 833 East One Hundred and Sixty-seventh St.

Fourth Ave., 298′ n Highbridge St., two-st'y frame dwell., tin roof; cost, $3,500; owner, Mary J. Brown, 518 West Forty-third St.; architect, Wm. Guggalz, 2305 Bathgate Ave.

West Ninety second St., No. 60, four-st'y brick dwell., tin roof; cost, $22,000; owner, Sarah A. Stillwell, 25 East Thirty-first St.; architects, D'Oench & Simon, 17 William St.

Ninetieth St., n s, 220′ w Central Park, West, 3 three-st'y brownstone dwells.; owner, James Brown; architect, G. Fred Pelham.

Philadelphia, Pa. — *Roberts Ave.*, s s, w Germantown Ave., two-st'y dwell.; owner, Michael Conway, East Dounton st.

Wyota St., w s, n Baring St., 5 two-st'y dwells.; owner, Thomas C. Stewart, 51 North Fortieth St.

BUILDING INTELLIGENCE.

Clarence St., n s, e Twenty-sixth St., two-st'y dwell.; owner, Jas. Hague, 2602 Clarence St.

Margaretta St., s s, e Frankford Ave., two-st'y dwells.; owners, R. C. Winnals & Bro., 1021 Margaretta St.

Oxford Pike, e s, n Firstall Gate, two-st'y dwell.; contractor, Chas. Auchter, 1528 North Twenty-seventh St.

Vankirk St., e Hagerman St., 2 three-st'y dwells.; contractor, H. P. Castor, Torrisdale.

Somerville, Mass. — *Hudson St.*, frame dwell., 22′ x 30′; owner, L. A. Woodward; builder, Wm. J. Griffiths.

Hudson St., near Central St., frame dwell., 24′ x 28′, with L, 14′ x 14′; owner and builder, Oscar H. Belding.

School St., near Highland Ave., frame dwell., 25′ x 34′, with L, 8′ x 17′; owner, John C. Bullard; builder, Robert H. Collupy.

Derby St., three frame dwells., 23′ x 28′, with projections 5′ x 16′ and 3′ x 12′; owner and builder, Geo. E. Ricker.

Central St., cor. Pembroke St., frame dwell., 30′ x 36′; old colonial style; owner, J. Frank Mixer; contract to be let; architects, Loring & Phipps, Boston.

Summer St., frame dwell., 30′ x 60′; owner, Arthur Smith; contract to be let; architects, Loring & Phipps, Boston.

Highland Ave., frame dwell., 44′ x 65′; old colonial style; owner, Geo. H. Derby; contract to be let; architects, Loring & Phipps, Boston.

Central St., frame dwell., 26′ x 45′; owner, G. F. Wilkins; contract to be let; architects, Loring & Phipps, Boston.

Springfield, Mass.—J. M. Weeks, dwell., St. James Ave.; builder, E. A. Wheeler.

St. Louis, Mo. — *In the suburbs*, frame dwell., 36′ x 80′, with L's; owner, C. W. Barstow; contract to be let; architect, W. Whitney Lewis, Boston.

Two-st'y brick dwell. and store; cost, $6,200; owner, M. Frederici; contractor, F. Masek.

Two-st'y brick dwell.; cost, $15,000; owner, N. E. Slaughter; contractor, T. J. Kelly.

Two-st'y brick dwell.; cost, $2,800; owner, Wm. Meyer; contractors, W. Rievve & Son.

Two-st'y brick dwell.; cost, $2,800; owner, E. Klippel; contractors, W. Rievve & Son.

BUILDING INTELLIGENCE.

Two-st'y brick dwell.; cost, $4,800; owner, B. Lange; contractor, J. G. Hendricks.

Three-st'y dwell. and store; cost, $6,300; owner, A. P. Kaltwasser; contractor, T. M. Dunn.

Two-st'y brick dwell.; cost, $3,500; owner and contractor, J. H. Remmers.

Two-and-one-half-st'y brick dwell.; cost, $3,000; owner and contractor, Chas. Hummel.

Two-st'y brick dwell.; cost, $3,000; owner, M. Heinz; contractor, Heibig Bros.

Three-st'y brick dwell.; cost, $4,000; owner and contractor, H. Brummer.

Two-st'y frame dwell.; cost, $4,500; owner, M. Jones; contractor, F. S. La Barge.

West Springfield, Mass. — Cook & Demond, dwell., Hampden St.

OFFICE-BUILDINGS.

Philadelphia, Pa. — *Third St.*, n e cor. Buttonwood St., office; contractor, Henry Koch, 408 Fairmount Ave.

SCHOOL-HOUSES.

St. Louis, Mo. — Two-st'y brick school; cost, $14,000; owner, School Board; contractor, M. Britt.

STABLES.

Boston, Mass. — *Beacon St. Boulevard*, stone and wood stable, 37′ x 38′; owner and builder, C. A. Noyes; architect, Samuel J. Brown.

Newton Centre, Mass. — *Grant Ave.*, opp. Marshall St., frame stable, 30′ x 40′; owner, Adams D. Claflin; builders, C. H. & A. F. Ireland; architect, Samuel J. Brown, Boston.

Ridge Ave., frame stable, 31′ x 32′; owner, H. H. Read; builders, Gary & English; architect, Samuel J. Brown, Boston.

New York, N. Y. — *East Twenty-fifth St., Nos.* 410-412, three-st'y brick stable, gravel roof; cost, $10,000; owner, Carl H. Schultz, 440 First Ave.; architect, Louis Thoward, 120 Broadway.

One Hundred and Sixty-first St., s s, w Amsterdam Ave., four-st'y brick stable; cost, $13,000; owner, Charles S. Young.

East Twenty-fifth St., Nos. 410-412, three-st'y brick stable, gravel roof; cost, $10,000; owner, Carl H. Schultz, 140 Boulevard; architect, Louis Thouvard, 120 Broadway.

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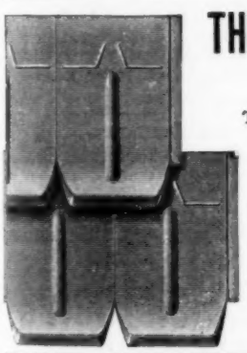

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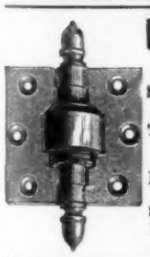

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Philadelphia, Pa. — *Clarence St.*, n s, e Twenty-sixth St., two-st'y stable; owner, Jas. Hague, 2602 Clarence St.

Oxford St., n s, e Paul St., two-st'y stable; owner, Thos. McFarland, 4507 Main St.

Luzerne St., n s, w Second St., stable; contractor, C. P. Peacock, 3009 North Fifth St.

Tacony St., n s, n e Margaretta St., two-st'y stable; contractors, Kolever Bros., 2737 Ash St.

West College Ave., No. 1235, two-st'y stable; owner, David People, 1247 West College Ave.

Margaretta St., s s, e Frankford Ave., two-st'y stable; owners, R. C. Winnals & Bro., 1620 Margaretta St.

STORES.

Boston, Mass.—*Essex St.*, cor. Lincoln St., Ward 10, six-st'y brick store, flat roof 64′ x 81.9½′; owner, Atherton T. Brown; builders L. P. Soule & Son.

Brooklyn, N. Y. — *Wykoff Ave.*, s w cor. Harman St., 2 three-st'y frame stores and dwells., tin roofs; owner, A. Fink, Wykoff Ave. and Himrod St.; architect, H. Vollweiler, 485 Hart St.

Wykoff Ave., n s, 50′ s Harman St., three-st'y frame store and dwell., tin roof; cost, $3,500; owner, A. Fink, Wykoff Ave. and Himrod St.; architect, Henry Vollweiler, 486 Hart St.

Graham Ave., e s, 25′ s Meserole St., four-st'y brick store and dwell., tin roof; cost, $11,000; owner, John H. Scheidt, 178 Graham Ave.; architect, Th. Engelhardt, 905 Broadway.

Halsey St., s s, 75′ w Broadway, three-st'y frame store and dwell., tin roof; cost, $4,000; owner, John Rueger, 250 Moore St.

Dean St., s s, 93′ e Washington Ave., three-st'y frame store and dwell., tin roof; cost, $3,000; owner, Bernard Fines, 573 Washington Ave.

Chicago, Ill. — H. H. Darrow, two-st'y store and flats, 700 West Division St.; cost, $4,000.

J. L. Kilcray, three-st'y store and dwell., 197 Ninety-first St.; cost, $6,000.

Frank Giddings, 5 four-st'y stores and flats, 2901-2905 Cottage Grove Ave.; cost, $25,000.

Mrs. J. Holmes, 5 three-st'y stores and flats, State and Fifty-ninth Sts.; cost, $40,000.

Edith Malter, 2 three-st'y stores and flats, 339 Clybourn Ave.; cost, $8,000.

C. Lancaster, two-st'y store and dwell., 710 Dobson St.; cost, $1,500.

W. H. Durant, three-st'y store and flats, 141 West Madison St.; cost, $7,500.

John U. Utisch, two-st'y store and flats, 4834 Ashland Ave.; cost, $3,000.

Jacob Hermes, two-st'y store and flats, 3413 Clark St.; cost, $2,000.

New York, N. Y.—*West Broadway*, e s, 50′ n Thomas St., seven-st'y brick store, tile and Sparham's compound roof; cost, $380,000; owners, H. B. Claflin & Co., cor. Church and Worth Sts.; architect, S. A. Warner, 132 Broadway.

TENEMENT-HOUSES.

Brooklyn, N. Y.—*India St.*, n s, 125′ w Oakland St., four-st'y frame tenement, gravel roof; cost, $5,700; owner, John Dugdale, Darien, Conn.; architect, P. Tillion, Manhattan Ave.

(*Continued on page* xxiv.)

Sanitary Appliances

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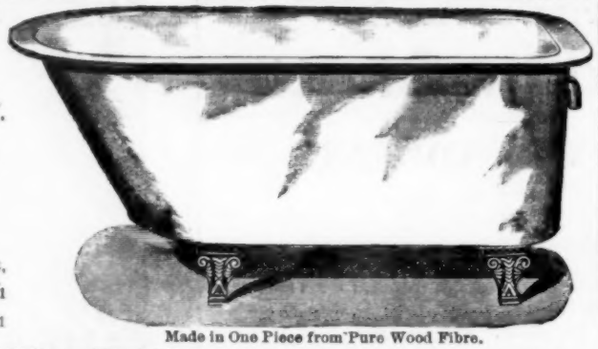

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COL. GEORGE E. WARING, Jr., C. E. etc., in his recent work on Sewerage and Land Drainage, in speaking of traps liable to siphonage, says: "the best remedy would be to supply the defective traps at their summits with McClellan's Mercury Seal-Trap Vent, a perfectly safe device, of little cost, simple and easy of application, and sure to supply air when needed."

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BUILDING INTELLIGENCE.

New York, N. Y.— *One Hundred and Sixty-first St.*, n s, 92' 6" e St. Ann's Ave., 2 five-st'y brick tenements, tin roofs; cost, $24,000; owner, John W. Decker, 841 Forest Ave.; architect, Walter H. C. Hornum, 150 East One Hundred and Twenty-fifth St.

One Hundred and Sixty-first St., s s, 200' w Amsterdam Ave., three-st'y brick tenement, tin roof; cost, $6,000; owner, George Glass, 404 West Forty-sixth St.; architect, Geo. Keister, 55 West Thirty-third St.

One Hundred and Twenty-third St., n s, 218' e Third Ave., 2 five-st'y brick tenements, tin roofs; cost, $28,000; owner, William J. Mathews, Yonkers, N. Y.; architect, Edward Wenz, 1491 Third Ave.

THEATRES.

New York, N. Y.— Francis H. Kimball has been commissioned to prepare plans for the new theatre to be built in Broadway and Twenty-eighth St., on the site of the Fifth Ave. Theatre. It is to be built by the Gilsey estate on a lease to H. C. Miner.

WAREHOUSES.

Chicago, Ill.—Robert Law, four-st'y warehouse, 124-134 Market St.; cost, $20,000.

New York, N. Y.— *Fourteenth St.*, s s, 300' e Fourth Ave., 2 six-st'y warehouses; owners, Ottinger & Korn.

Philadelphia, Pa.— *East Norris St., No.* 306, two-st'y warehouse; owner, Adolph Erdin, 1010 North Tenth St.

MISCELLANEOUS.

Boston, Mass.—*Mt. Washington Ave., No.* 16, Ward 12, one-st'y frame mercantile building, pitch roof, 35' x 70'; owners, Edison Electric Light Co.; builders, M. R. McDonaty.

Harvard St., near Cambridge St., Ward 25, two-st'y brick engine-house, hip roof, 36' x 80', for City of Boston; builders, R. R. Mayers & Co.

Brunswick, Ga.— The Knights of Pythias will build a hall, to cost about $25,000.

Chicago, Ill. — Barnum & Richardson, one-st'y foundry, 1149 Robey St.; cost, $1,000.

L. A. Budlong, three-st'y cooper shop, Lincoln Ave. near Fifty-ninth St.; cost, $1,300.

BUILDING INTELLIGENCE.

V. Delaney, one-st'y engine-house, 693 Laflin St.; cost, $1,700.

R. T. Crane, two-st'y foundry, Fulton and Desplaines St.; cost, $12,000.

G. W. Baker, two-st'y bakery, 122-124 Green St.; cost, $10,000.

John F. Darney, elevator, Elizabeth St., near Wallace St.; cost, $20,000.

R. T. Crane, two-st'y engine-house, 35-37 Wayman St.; cost, $7,000.

Midland Foundry Co., foundry, Forty-eighth and Halsted Sts.; cost, $3,000.

American Ice Co., ice-house, Ashland Ave., near Wrightwood St.

McKeaun & Quail, shop, 27 Illinois St.; cost, $1,100.

New York, N. Y.— *West Thirty-second St., No.* 581, six-st'y brick storage-building, terra-cotta tiles roof; cost, $50,000; owners, Howard & Childs, 518-532 West Thirty-third St.; architects, Lederle & Co., 15-25 Whitehall St.

Philadelphia, Pa. — *Thirty-third St.*, e s, s Master St., engine and boiler house; contractor, Philip Halbach, Twenty-sixth and Thompson St.

Arch St., back building; owners, R. Newell & Son, photographers.

Huntingdon St., No. 2302, front building; owner, Carl Liebrecht, 2302 Huntingdon St.

Frankford Creek, s s, w P. R. R., boiler-house; owner, Robert Foerderer, 3971 Frankford Ave.

Second St., e s, s Erie Ave., four-st'y drying-house; contractor, S. B. McDonald, 1812 Uber St

Margaretta St., s s, e Frankford Ave., two-st'y shop; owners, R. C. Winnals & Bro., 1621 Margaretta St.

Leiper St., two-st'y kitchen and bay; owner, Wm. H. Cheeseman, on premises.

Wingohocking Station, gymnasium; owner, Jewish Foster Home; architect, Willis G. Hale; contractors, J. E. & A. L. Pennock, 305 Walnut St.

Germantown Ave., photograph-gallery; contractor, Wm. A. Morgan, 2654 Tulip St.

Butler St., n s, w Second St., shop; contractor, F. J. Sheehan, 3921 Fairhill St.

Memphis St., No. 2634, two-st'y back building; contractor, Cornelius Kiely, 2823 D St.

BUILDING INTELLIGENCE.

Osage St., No. 4003, kitchen; contractor, Charles Grubb, 623 South Nineteenth St.

River Road, n Shawmount Ave., ice-house; owner, Thos. M. Davis, 13 Fetter Lane.

Unnamed St., bet. Fifty and Fifty-first Sts. and Florence and Warrington Aves., steam carpenter-shop; owners, A. J. Mosley & Son, 5918 Florence Ave.

Columbia Ave., No. 2403, three-st'y storehouse; contractor, John A. Dempsey, 1830 North Twenty-first St.

Walnut St., No. 1108, back building; contractor, W. R. Dougherty, 1604 Sansom St.

Ridge Ave., e s, n Roxborough Ave., two-st'y front building; contractor, Wm. F. Rayner, 4128 Pechin St.

Broad St., w s, s Race St., one-st'y melting-room; contractor, Wm. R. Dougherty, 1604 Sansom St.

Mount Vernon St., No. 1309, two-st'y back building; contractor, E. S. Cox, 2602 Montgomery Ave.

North Seventeenth St., No. 1852, one-st'y kitchen; contractor, W. W. McMahon, on premises.

Osage St., No. 4003, kitchen; contractor, Chas. Grubb, 623 South Nineteenth St.

Passayunk Ave., No. 1641, one-st'y kitchen; contractor, E. F. Yonder, 3700 South Broad St.

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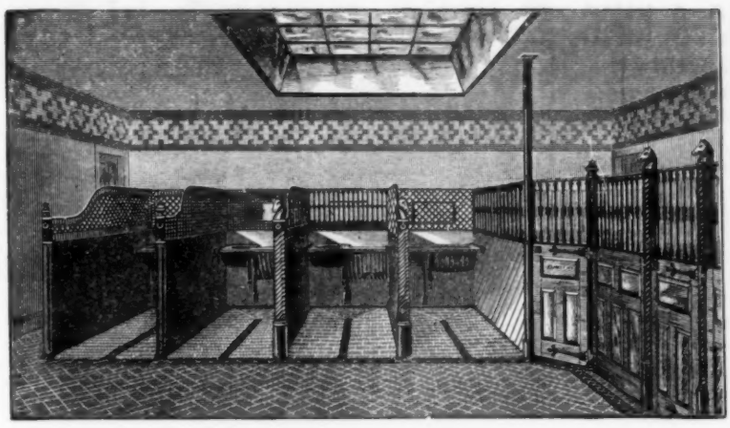

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[*See Alphabetical Index on page VII for Pagination.*]

Classified Advertisements.

[Advertisers can be indexed only under a single head free of charge].

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Oswego Indurated Co., Oswego, N. Y.
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Blake Bell Co., Boston.
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Baltimore Blind & Awning Co., Baltimore, Md.
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Gorton & Lidgerwood Co., New York. (eow)
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Brick (Colored).
Jarden Brick Co., Philadelphia, Pa.
Brick (Ornamental).
Burns, Russell & Co., Baltimore, Md.
Howard Fleming, New York. (eow)
Hydraulic Press Brick Co., St. Louis.
Peerless Brick Co., Philadelphia, Pa.
Waldo Bros., Boston.
Washington Hydraulic-Press Brick Co., Washington, D. C.
Brick Machine.
The Frey, Sheckler Co., Bucyrus, O. (eow)
Bronzework.
Bureau Bros., Philadelphia, Pa. (mon)
Building Contractors.
John Moore & Co., Syracuse, N. Y.
Building Felt (Fire and Waterproof).
H. W. Johns M'f'g Co., New York.
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Standard Paint Co., New York, N. Y.
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John H. Pray, Sons & Co., Boston, Mass.
Ceilings (Metal).
John McCallum & Co., New York, N. Y.
H. S. Northrop, New York. (eow)
The Kinnear & Gager Co., Columbus, O.
Cement (Hydraulic). F. O. Norton, New York
Cement.
Alsen's Cement Works, New York, N. Y. (eow)
Baetjer & Meyerstein, New York.
Brooks, Shoobridge & Co., New York.
Dickinson Bros. & King, New York.
E. W. Fisher, New York.
Howard Fleming, New York. (eow)
Johnson & Wilson, New York.
J. B. King & Co., New York.
Sinclair & Babson, New York. (mon)
E. Thiele, New York, N. Y.
Chair-Seating.
Harwood Manufacturing Co., Boston.
Chimney Tops.
H. M. Hansen, Chicago, Ill. (mon)
Colorist. E Eldon Deane, Boston, Mass.
Conductors (Water).
Armor, Martin & Co., Allegheny, Pa. (eow)
W. Austin Obdyke & Co., Philadelphia.
Boston Spiral Tube Works Boston.
Soldered Standing-Seam Conductor Co., Allegheny, Pa.
Conservatories.
Lord & Burnham Co., Irvington-on-Hudson, N. Y.
Josephus Plenty, New York.
Contracting.
Flynt Building & Construction Co., Palmer, Mass.
Cordage.
Samson Cordage Works, Boston. (eow)
Cornices (Galvanized-Iron).
Meeker & Bro., St. Louis, Mo.
Creosote Stains.
S. Cabot, Boston.
Decorators.
L. Haberstroh & Son, Boston.
Donald McDonald, Boston.
W. J. McPherson, Boston.
Door-Hanger.
Wm Luitink & Sons, Milwaukee, Wis.
Door-Knobs.
J. Bardsley, New York, N. Y.
Draughtsmen's Exchange.
R. W. Parry, Philadelphia, Pa. (mon)
Draughtsmen's Supplies.
Keuffel & Esser Co., New York, N. Y. (eow)
F. Weber & Co., Philadelphia.
Eaves-Trough.
Sims & Millard, Newark, O. (mon)
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Edison General Electric Co., New York.
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Elevators, etc.
Crane Elevator Co., Chicago, Ill.
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Moore & Wyman, Boston.
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Elevator Engine.
Springfield Foundry Co., Springfield, Mass.
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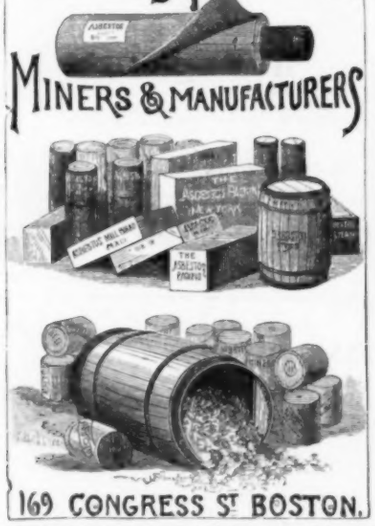
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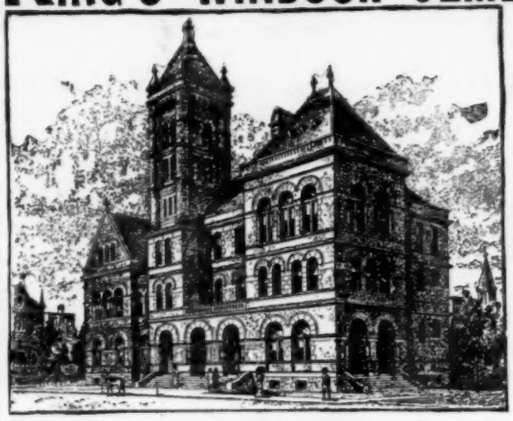
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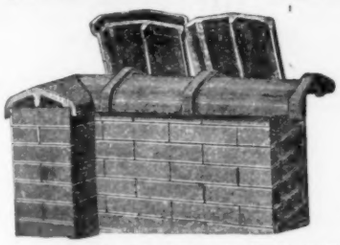

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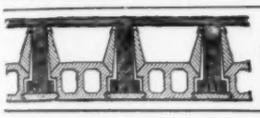

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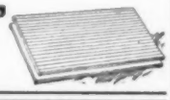

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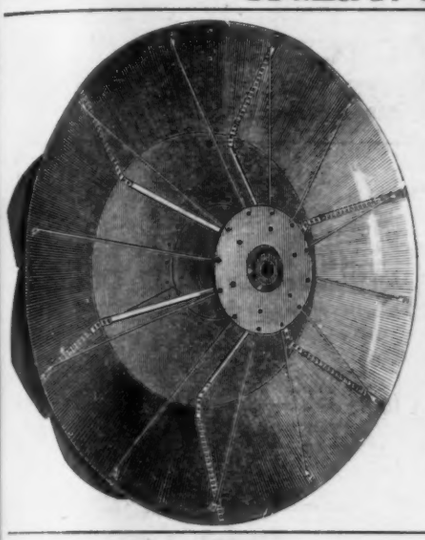

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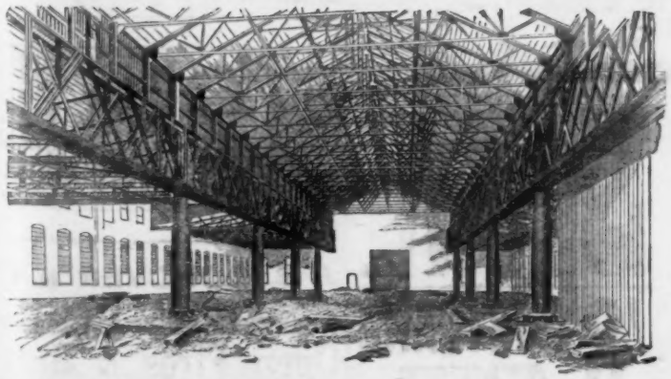

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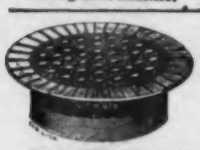

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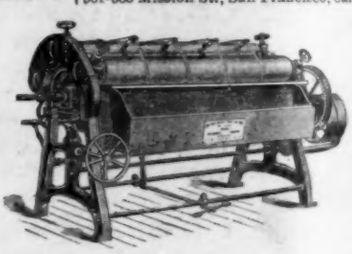

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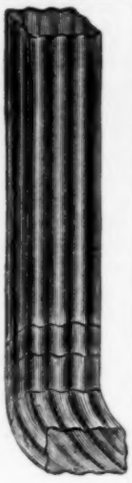

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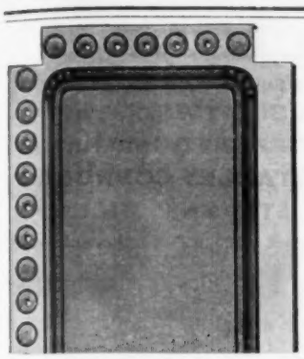

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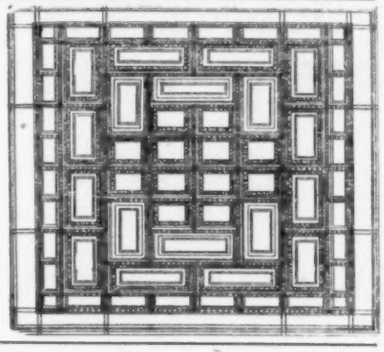

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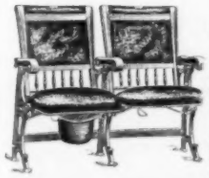

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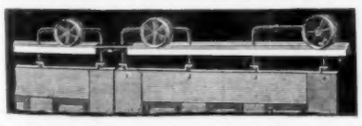

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BUILDING MATERIALS.	New York.	Boston.	Chicago.	Philadelphia.
LUMBER.—℔ M.	(*Wholesale Prices.*)		(*Price to Builders and Contractors.*)	
Boards: (*Ordinary dimensions.*)				
Pine, 1st quality, clear	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 40 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 30	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 25 @ 2 30	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ℔ M	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ℔ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	{30" $35 @ 40 / 24" 8 @ 21 / 20" 35 @ 14}
Cedar, split ℔ M	@	@	*Not sold.*	
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	
Cypress. Split....7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ℔ ft.	4½ @ 5½	Piles 6c. ℔ ft.	Cut to order.	
Fence pickets, Commo	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	4 @ 1 25
Chestnut "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ℔ M. (*First Qual.* Ash [*Kiln dried.*])	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 55 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ℔ ft.	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 17 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ℔ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	50 @ 45 00

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STABLE FITTINGS.
[Established 1843.]

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WIRE LATH
DOUBLE TWIST WARP.
STIFFENED (Iron furred).
STANLEY CORRUGAT'D
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Plain, Japanned or Galvanized.
The Most Perfect and Economic System of FIREPROOF Construction.
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We therefore call special attention to the existence of these imitations and to the fact that our machinery is conspicuously marked with our trade name, the use of which by any other manufacturer is unauthorized and illegal.
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CHROME STEEL WORKS,
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BUILDING MATERIALS.

Reported for the American Architect and Building News.

	New York. (Wholesale Prices.)	Boston.	Chicago. Prices to Builders and Contractors.	Philadelphia.
BRICK.—₱ M.				In Yard.
Common: *Cargo afloat.*				
Pale	3 00 @ 3 50	Eastern	Building Brick @ 6 50	Sq. Hard @ 9 00
Jersey	5 00 @ 6 00	9 00 @ 10 00		" @ 7 00
Long Island	6 00 @ 6 25	Bay State Hard		Salmon 5 00
Up River		8 00 @ 9 00		Sq. " @ 00
Haverstraw Bay 2nd	6 00 @ 6 25	Domestic Com.	Indiana Pressd	Light Stretchers @ 10 00
" 1st	6 25 @ 6 50	9 50 @ 10 00	14 00 @ 20 00	Medium " @ 12 00
Hollow	@ 13 00	Domestic Face	St. Louis Fronts	
Fronts		20 00 @ 22 00	@ 27 00	Red " @ 13 00
Croton, Brown	@ 13 00	Philadelphia		
" dark	@ 14 00	40 00 @ 45 00		Dark " @ 13 00
" red	@ 14 00	Philad. mould		
Chicago pressed (Anderson)		50 00 @ 80 00	15 00 @ 27 00	Pressed 18 00 @ 20 00
Chicago Moulded			65 00 @ 350 00	Best Paving @ 14 00
Baltimore	37 00 @ 41 00	Anderson	@ 55 00	
Philadelphia	23 00 @ 24 00	14 00 @ 32 00	45 00 @ 50 00	Second " @ 13 00
Trenton	22 00 @ 23 00		45 00 @	
Milwaukee			25 00 @	Third " @ 12 00
Moulded:			60 00 @ 100 00	
Glens Falls Red Pressed	@ 37 00		30 @	
" " Buff "	@ 30 00		33 @	
" " Moulded Red & Buff	45 00 @ 70 00		55 00 @ 65 00	Dom. @ @
Enamelled: *Imp.*				@ @
Enamelled (edge.)	85 00 @ 100 00		@ 100 00	
Enamelled (edge and end)	90 00 @ 115 00		@ 120 00	
CEMENT, LIME, etc.—(₱ cask.)				
Rosendale Cement	1 10 @ 1 25	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co	1 65 @ 1 30	B S & Co 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra		Jonson
" " (Lagerdofer)	@ @	2 55 @ 3 0	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not Sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	11 50	9 @ 10 50	8 00 @ 9 00
Lime.				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime 25 @ 30 ₱ bush
Hydraulic Lime	@ 1 45			White Mass 1 25 @ 1 50
Chicago Lime in bulk		@ 1 35	55 @	1 00 @ 1 00
Wisconsin "	@ 90	St. ohn 1 00	60 @	
Rockland and Rockport, (Com.)	@ 1 10	@ 1 05	*Not sold.*	
Rockland and Rockport, finish	@ 1 20	@ 1 10	*Not sold.*	*Not sold.*
Kelley Island Lime, finish	@ 85	@ 1 20	1 00 bulk, 75c.	*Not sold.*
State, com. cargo rates (nom.)	@ 1 05	*Not sold.*	*Not sold.*	1 50 @ 2 25
State, finishing "	1 20 @ 1 25	*Not sold.*	*Not sold.*	1 75 @ 2 00
Plaster of Paris (calcined.)	1 30 @ 1 35	1 85 @ 2 00	1 85 @ 1 90	20 @ 25
" (casting)	16 @ 18	25 @ 30	1 85 @ 1 90	30 @ 32
Hair (Cattle) ₱ bush	20 @ 22	@ 30	20 @ 25	@ 1 50
" (Goat)	1 00 @ 1 25	1 75 @ 1 90	30 @ 55	
Sand, ₱ load			@ 60	55 @ 65
STONE. (₱ *cubic foot, rough.*)		@ 60		
Granite: (*Maine*)	45 @ 1 25			75 @ 90
Limestone:	@ 1 00	95 @ 1 00	50 @	Richmond 75 @ 1 00
Bedford			35 @ 55	
Joliet			35 @ 60	4 50 ₱ Perch
Lemont		10 50 per ton	@ 1 00	
Serpentine				

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Mortar Colors.				
Black, brown, buff ℔ lb.	@ 2½			
Colorific ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (℔ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	75	50 @ 1 00	37 @ 50
Sandstone,				
Longmeadow	@ 80	80 @ 90		} 95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	}
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle, English	@ 1 05	@ 1 05		95 @ 1
Corse Hill (Scotch)	1 05	1 05		
Marble (℔ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not sold.*	2 00 @ 2 50
Rutland, white and Blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	350 @ 6 00	1 70 @ 3 00
Glens Falls, black	@		*Not sold.*	4 00 @ 4 50
Italian, blue-veined	@		@ 4 40	2 50 @ 2 75
" Sienna	@		*Not sold.*	@ 5 00
Tennessee, red	@		@ 4 40	4 00 @ 6 00
" Knoxville	@		@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@		*Not sold.*	2 00 @ 3 00
Vermont, white	@		3 50 @ 6 00	2 25 @ 3 00
Slate; Roofing (℔ *square*)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" red	@	@	6 25 @ 8 85	3 25 @ 4 00
" black, Lehigh	4 25 @ 4 75	@	7 30 @ 8 00	4 00 @ 4 65
" " Chapmans	@	@	6 00 @ 9 00	5 50 @ 8 00
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	*Not sold.*	@ 25 00
Tiles, Am. ℔ M	@	@	@	6 00 @ 6 75
N. Peach Bottom, warranted unfading	@	@	@	@
PAINTS. (*In oil,* ℔ *lb.*)				
White lead, Am.	7 @ 7½	7½ @ 7½	6½ @ 7	@ 7½
" Zinc, "	8½ @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	7½ @ 7½	6½ @ 7	dry Eng. @ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	Eng. @ 7
" Vermillion	65 @ 70	75 @ 80 dry	65 @ 68	@ 76
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	@ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	@ 24
Oil, linseed, (raw) (℔ gal.)	52 @ 58	56 @ 57	57 @ 60	@ 60
" " boiled (℔ gal.)	54 @ 62	59 @ 60	60 @ 63	@ 64
Turpentine (℔ gal.)	41 @ 42	44 @ 45	51 @ 51	@ 44
Varnish, coach	@	1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac	@	2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	2 @	2 @ 4	02 @ 02½	2 @ 2½
Whiting } dry	75 @ 1 00	1 @ 1½	1 @ 1½	½ @ 1
Paris white, (Eng.) } dry	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am	5½ @ 6	@ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber, "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) **Spikes,** (*wrought.*)	@ 2 85	@ 2 20	2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 30	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 3 50	@ 2 75	@ 2 60
Lath	@ 4 85		@ 3 65	3 60 @ 4 75
Finishing nails according to size.			Add .85 to $1.15	per ℔ 4 @ 6
For casing nails add 75c. per keg.			" .50 to .90	Add pr cask
Butts: 4" x 4" (℔ doz. pairs.)				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish (℔ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (for cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (℔ *Set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:		@	13 @ 16	13½ @ 16
Sheet Lead	@	@ 8	@ 7	@ 6½
Lead Pipe	@	@ 7½	@ 6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft.	3 5-10 @ 3½	@ 3 1-10	3½ @ 3 70	@ 2 8-10
I-Beams, over 30 ft. ½, ¼, ½ c. advance.			" "	@ 2 8-10
Channel-Beams	3 5-10 @ 3½	@ 3 1-10		@ 2 8-10

F. W. DEVOE & CO.,

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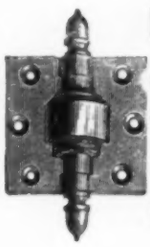

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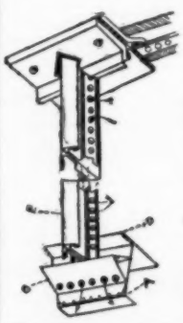

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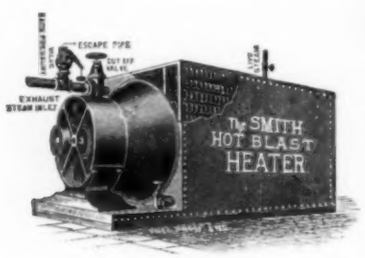

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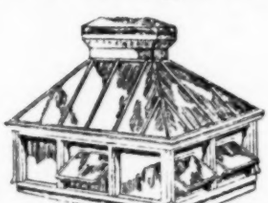

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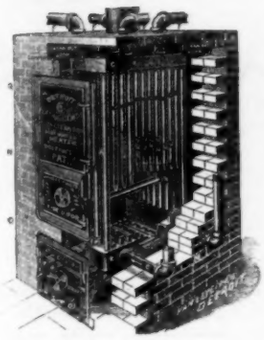

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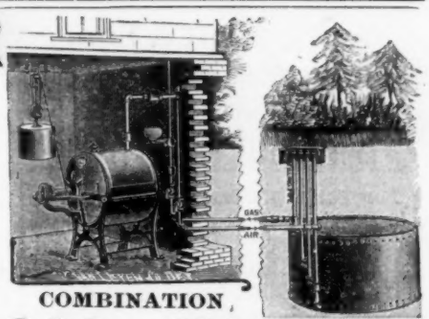

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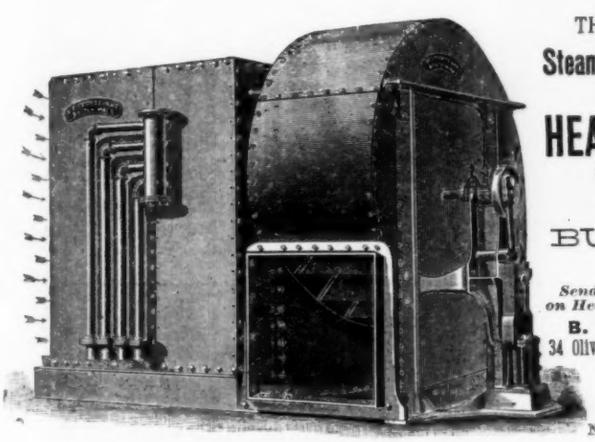

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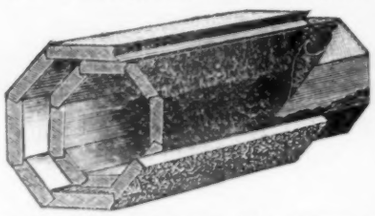

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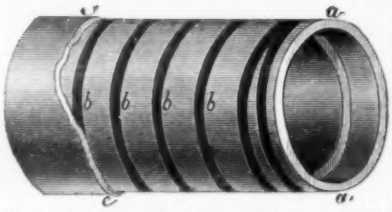

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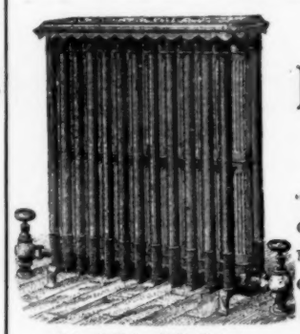

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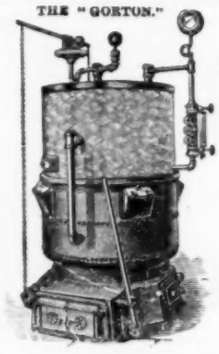

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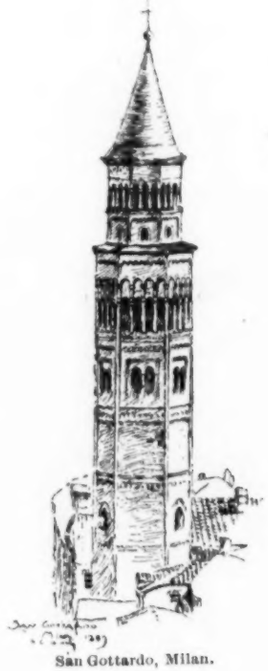
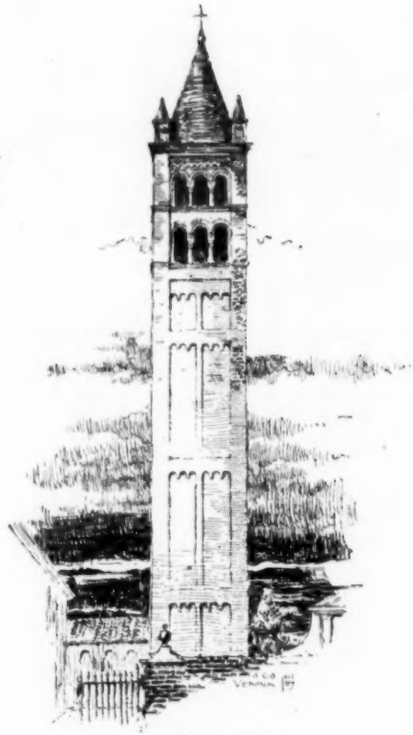


San Gottardo, Milan.



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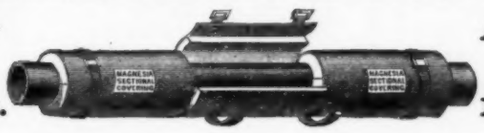

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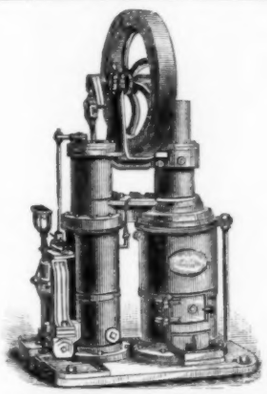

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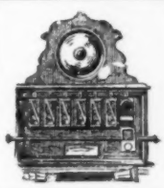

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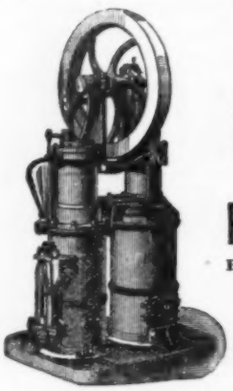

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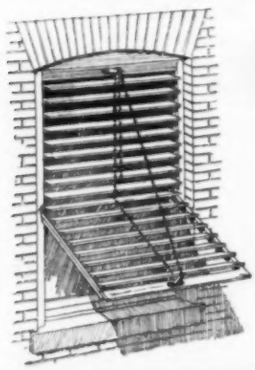

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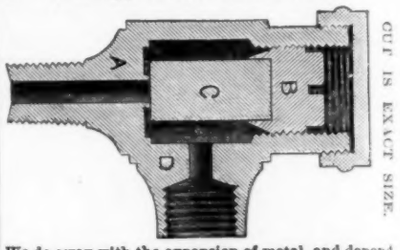

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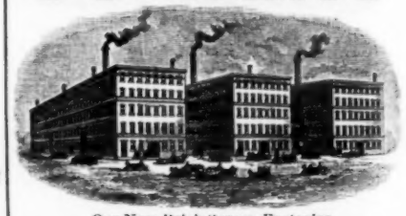

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In building there are two parties, for and against the building.

The owner is for it. The Architect ought to be; whether he is or not depends on the Arcitect. The material-man, precisely ditto.

But builder and men are against it. Whatever the builder can save is his gain. Whatever the men can slight commends them to their employer.

The owner picks out his Architect; if he is ill served, he knows whom to blame.

Who is it determines whether the building shall be as good as the owner contracts for?

He is a stranger to us. His work and ours do not bring us together. He puts in the contract whose and what varnish the builders shall use and how he shall put it on.

We make the varnish that ought to go on, and know how it ought to be put on. But we must deal with the enemy.

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The Architect stands between us.

MURPHY & COMPANY.

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211 Tremont St., Boston, Mass.

For the American Architect and Building News Co'

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New Advertisements.

E. T. BURROWES & CO. (Portland, Me.), Wire Screens. Page xiv.
MERCHANT & CO. (Philadelphia, Pa.), Roofing Materials. Page xxiii.
W. R. PITT (New York, N. Y.), Structural Iron-Work. Page xvii.

PERSPECTIVE DRAWING.

The *American Architect* Drawing-Office will undertake the preparation of perspective drawings in line or color from scale drawings, or will render drawings already in outline. Address the editors.

WANTED.

CATALOGUES. — Having had my office destroyed by fire on the 6th of February, I would like to receive again trade catalogues and samples. Address P. E. Dennis, Architect, 657 Poplar Street, Macon, Ga. 792

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[*Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.*]

445,185. Wrench. — Edward C. Mead, Elkhart, Ind.
445,191. Portable Water-Closet. — Arthur J. Niles, Lancaster, N. H.
445,210. Shutter-Bower. — Reverdy R. Walling, Frederick, Md.
445,218. Alarm Attachment for Door-Knobs. — Thomas Braden, Des Moines, Iowa.
445,262. Metallic Door. — William R. Kinnear, Columbus, Ohio.
445,264. Stucco for Plastering. — Edward Olson, Jewell Junction, Iowa.
445,273. Door-Securer. — Philip Hise, Cincinnati, Ohio.
445,299. Shutter-Worker. — John F. Newhall, Lynn, Mass.
445,301. Fire and Water Tube Boiler. — Thos. J. Reynolds, Brooklyn, N. Y.
445,311. Pavement or Floor Light. — James C. French, Brooklyn, N. Y.
445,314. Bath-Tub. — Kallmann Glass, New York, N. Y.
445,337. Fire-Curtain. — William R. Monroe, Cleveland, Ohio.
445,353. Wire-Lathing. — Purches Miles, Brooklyn, N. Y.
445,354. Door-Hanger. — Edward Y. Moore, Milwaukee, Wis.

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Millers Falls Co.
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Flanagan & Biedenweg.
J. & R. Lamb.
Pittsburgh Mineral Wool Co.
Sims & Millard.

See last or next issue for the following advertisements.

Frost & Adams.
Berry Brothers.
S. J. Pardessus.
J. J. Schillinger.
J. E. Bolles & Co.
Thorn Shingle and Ornament Co.
Samson Cordage Works.
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N. & G. Taylor Co.
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Richmond Stove Co.
Chalmers-Spence Co.
H. S. Northrop.

BUILDING PATENTS.

445,366. Shutter-Fastener. — George H. Burrows, Somerville, Mass.
445,372. Fire-Isolating Apparatus. — Henry W. Johns, Jr., New York, N. Y.
445,376. Sash-Balance. — Joseph P. Magney, Oakland, Cal.
444,389. Combined Square and Bevel. — Arthur G. Chase, Boston, Mass.
445,396. Steam-Heating Apparatus. — Charles Edgerton, Philadelphia, Pa.
445,424. Water-Closet Reservoir. — William S. Cooper, Philadelphia, Pa.
445,433. Automatic Door and Lock for Elevators. — Andrew Pontius, Cincinnati, Ohio.
445,455. Door-Check. — Lucien Rawdon, Windsor, Ohio.
445,462. Door-Check. — William H. Broadhead, Cleveland, Ohio.
445,466. Door-Hanger. — Richard D. Dirksen, Freeport, Ill.
445,473. Boiler. — Chas. E. Marston, Dover, N. H.
445,486. Heating and Ventilating Buildings. — Donald Andrews, Lockport, N. Y.
445,506. Vise-Clamp. — Ferdinand Krebs, Berlin, Germany.
445,513. Portable Dry-Closet. — William H. Powell, Washington, D. C.
445,516. Conductor Cut-Off. — Elbridge G. West, Canandaigua, N. Y.
445,520. Bevel. — Alfred M. Brown, Worcester, Mass.
445,522. Ventilator-Cap. — John Dellinger, Buffalo, N. Y.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING FEBRUARY 13, 1891.

From Antwerp. — Steamer "*Friesland*," 180 barrels cement, E. Thiele. Ship "*Theo. Fischer*," 8,000 barrels cement, order. Steamer "*Westernland*," 6 blocks marble, Taber & Co.; 1,650 barrels cement, J. W. Seligman & Co.; 2 cases marble, Merchants' Dispatch Co.; 6 blocks do., Ch. Plock & Co.; 9 barrels cement, order.

From Catania. — Steamer "*Scotia*," 1,831 blocks asphalt mastic, order.

From Colon. — Steamer "*Colon*," 18 logs mahogany, H. W. Peabody.

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A necessity in Office Buildings and Hotels,
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From Glasgow. — Steamer "*State of Indiana*," 6 cases granite, order; 463 cases granite, Austin, Baldwin & Co.; 6 do., Davidson & Son. Steamer "*Circassia*," 99 cases granite, Henderson Bros.; 5 cases granite, order.

From Hamburg. — Steamer "*Russia*," 2,000 cakes asphaltum, E. Thiele.

From Hull. — Steamer "*Apollo*," 125 casks bricks, Howard Fleming.

From Laguna. — Schooner "*Jessie Lena*," 222 logs mahogany, 22 log ends do., Thebaud Bros.

From Liverpool. — Steamer "*Lake Huron*," 17 logs walnut, order. Steamer "*St. Hubert*," 22 sheets cow-hair, order.

From London. — Ship "*Beethoven*," 3,500 casks cement, order. Steamer "*Spain*," 5 logs oak, 2 do. walnut, Wm. L. Marshall; 1,000 casks Portland cement, Hammill & Gillespie; 1,000 casks cement, Howard Fleming.

From Marseilles. — Bark "*Carmela*," 571 casks plaster, order.

From Manzanilla, Cuba. — Bark "*Beatrice*," 4 pieces mahogany, Mosle Bros.; 38 do., 4 do., Almique; 947 do cedar, order.

From Port Spain. — Schooner "*Lizzie Dawly*," 900 tons asphalt, order.

From Sagua. — Steamer "*Niagara*," 21 logs cedar, Hoffmann & Co.

From St. Jago. — Bark "*Thomas Brooks*," 52 logs mahogany, G. Amsinck & Co.

From Swansea. — Steamer "*Mincola*," 71 casks bricks, H. N. Holt.

From Trinidad. — Bark "*N. B. Morris*," 800 tons asphalt, Barber Asphalt Co. Bark "*Au Sable*," 930 tons asphalt, order.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

ALTERATIONS.

Boston, Mass. — *Milk St., Nos.* 13 *and* 17, Ward 10, add one story and alter building for offices, etc.; owners, James H. Beals *et als.*; builder, A. G. Minton.

Webster St., No. 106, Ward 2, reconstruction of brick stable; owner and builder, John A. Lane.

Tremont St., cor. Chandler St., remodel interior of Cyclorama building for riding academy; owner, S. R. Baker; builder, James H. Flannagan.

Brooklyn, N. Y. — *Harrison Ave.*, e s, 125′ s Wallabout St., frame church, tin roof, raised two stories and other alterations made; cost, $7,000; owner, J. Haaf, 605 Broadway; architect, Frank Holmberg, 1161 Broadway.

Washington St., w s, 30′ s Concord St., three-st'y brick reading-room and lecture-hall, tin roof, internal and other alterations; cost, abt. $20,000; owner, Brooklyn Institute, on premises; architects, Wilkes & Dickson.

APARTMENT-HOUSES.

Boston, Mass. — *Marlborough St., No.* 138, Ward 11, four-st'y brick apartments, flat roof, 24′ x 90′; owner, G. W. Nason; builders, O. H. Drisko & Son.

Brooklyn, N. Y. — *Oakland St.*, w s, bet. Meserole Ave. and Colyer St., three-st'y frame flat, tin roof; cost, $5,000; owner, Peter Heidreich, 181 Oakland St.; architect, Ernest Dennis, 115 Himrod St.

Chicago, Ill. — A. & W. J. Thompson, three-st'y flats, Avenue A and Seventy-first St.; cost, $2,000.

John Lounghaus, two-st'y flats, School and Cedar Sts.; cost, $2,200.

Charles Oberg, two-st'y flats, 1068 Seminary Ave.; cost, $3,000.

P. Bougard, two-st'y flat, Woodside and Addison Sts.; cost, $1,000.

Ellen Ryan, two-st'y flats, 1631 Fulton St.; cost, $1,000.

(*Continued on page* xix.)

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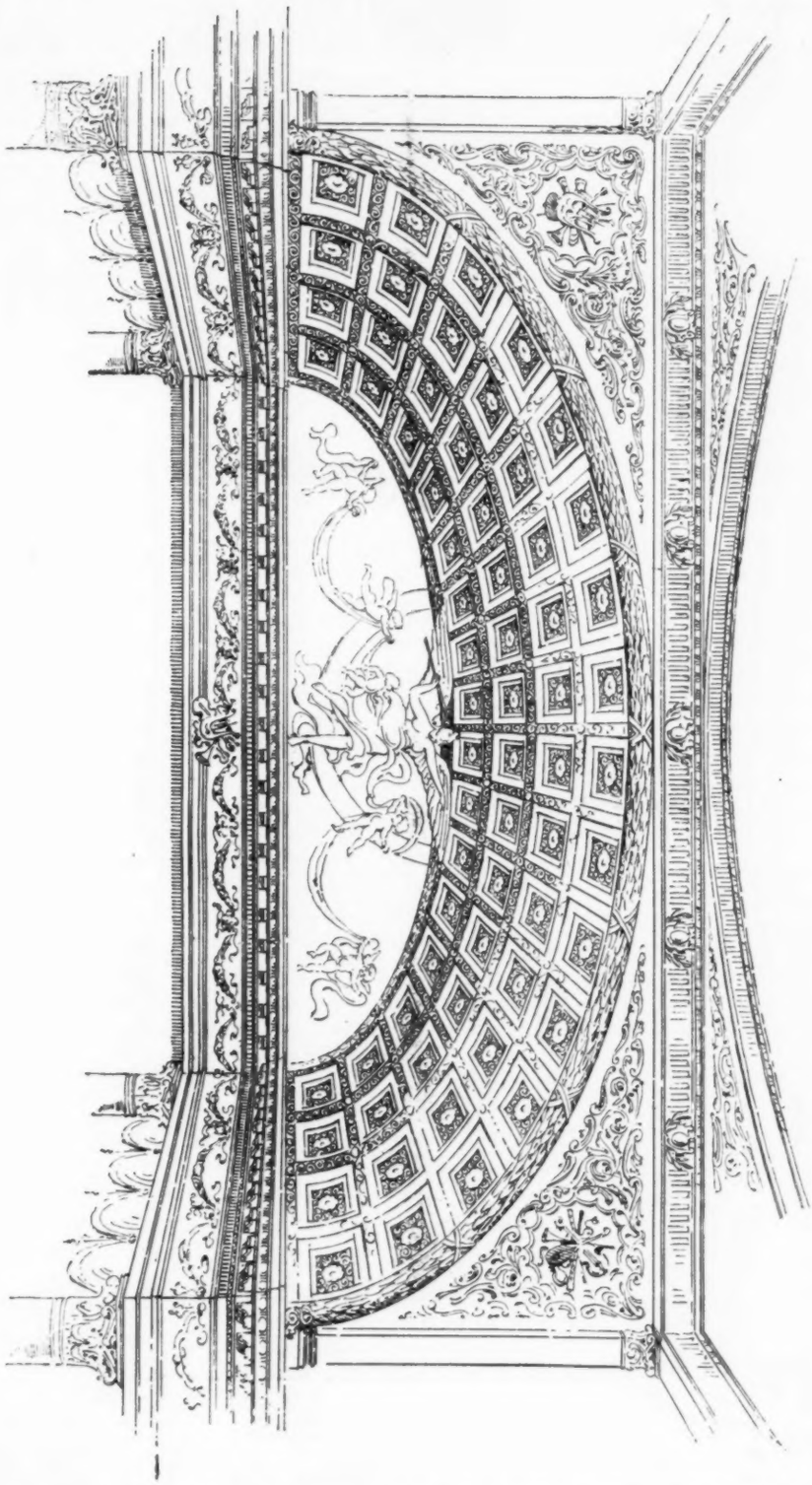

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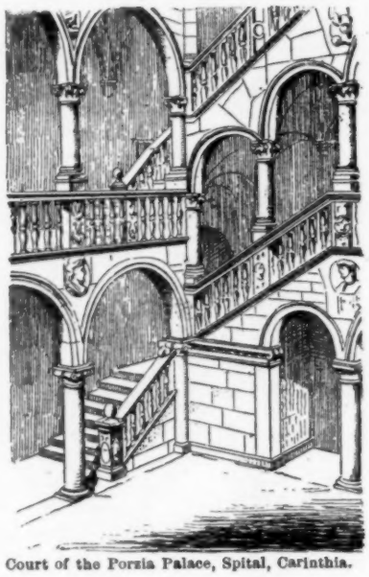

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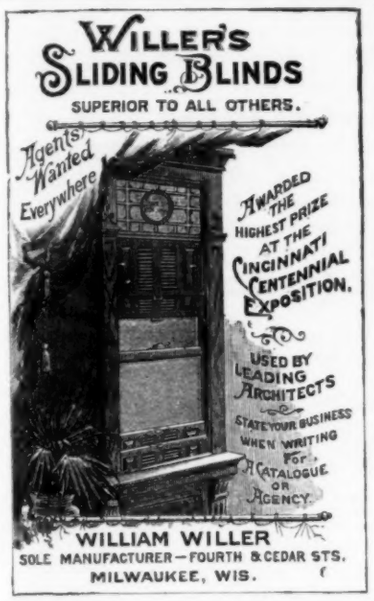

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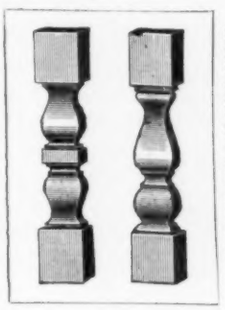

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Hans Anderson, 3 two-st'y flats, 185-189 Mozart St.; cost; $10,000.
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Carl Fritsch, two-st'y flats, 150 Canalport Ave.; cost, $2,500.
O. Fourmi, two-st'y flats, 1341 West Congress St.; cost, $3,500.
Herman Anderson, two-st'y flats, 885 Washtenaw Ave.; cost, $1,800.
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B. Masterson, three-st'y flats, 1517 West Twelfth St.; cost, $5,000.
Paul Vichota, two-st'y flats, 4732 Robey St.; cost, $1,000.
E. Weiss, two-st'y flats, 1661 North Robey St.; cost, $2,900.
David Johnson, two-st'y flats, 2156 Paulina St.; cost, $1,500.
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A. Rheunenkel, two-st'y flats, Laflin and Forty-second Sts.; cost, $1,700.
E. Todhunter, two-st'y flats, 8907 Superior St.; cost, $2,000.
Swan Peterson, two-st'y flats, 6746 Madison Ave.; cost, $1,700.
N. W. Hansen, three-st'y flats, 487 West Huron St.; cost, $5,000.
Horace Crary, two-st'y flats, 459 Washtenau Ave.; cost, $2,000.
H. S. Carpenter, two-st'y flats, 1101 West Adams St.; cost, $4,000.
A. Furseland, three-st'y flats, 991 Herndon St.; cost, $2,300.
John Elkland, two-st'y flats, Parnell and One Hundred and Sixth Sts.; cost, $2,000.
John F. Prath, 2 three-st'y flats, 113-115 Miller St.; cost, $10,000.
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Lewis Steinmuller, three-st'y flats, 343 Huelson St.; cost, $6,000.
Joseph Jush, two-st'y flats, 4544 Dreyer St.; cost, $2,100.
J. J. English, two-st'y flats, Laflin and Sixty-fifth Sts.; cost, $2,200.
Johnson & Peterson, two-st'y flats, 5819 Aberdeen St.; cost, $2,400.
Fred Fleischer, two-st'y flats, May near Sixty-seventh Sts.; cost, $1,600.
R. Guss, two-st'y flats, School and Fifty-fourth Sts.; cost, $2,000.
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F. Jobin, two-st'y flats, 859 Kinzie St.; cost, $4,000.
John M. Bass, two-st'y flats, 17 Werder St.; cost, $3,000.
Charles Meister, two-st'y flats, 1125 North Oakley Ave.; cost, $4,000.
William Baer, two-st'y flats, St. Lawrence Ave. and Seventy-first St.; cost, $1,900.
J. R. Nelson, two-st'y flats, 4638 Langley Ave.; cost, $4,500.
William A. Bayor, 6 three-st'y flats, 250-260 Thirty-seventh St.; cost, $62,000.
Frank Posta, two-st'y flats, 612 Laundale Ave.; cost, $4,500.
C. Hepperna, three-st'y flats, 1304 West Polk St.; cost, $2,800.
Thomas Hanson, 3 two-st'y flats, 32-38 Cornelia St.; cost, $4,500.
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Mathias Mueller, two-st'y flats, Sixty-third Ct., near Halstead St., cost, $2,500.
P. M. Oleson, two-st'y flats, 6119 Carpenter St.; cost, $1,500.
James Hadi, two-st'y flats, Forty-Seventh and Goodspeed Sts.; cost, $1,100.
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John Blachner, two-st'y flats, 5119 Winchester St.; cost, $1,800.
L. Hoop, two-st'y flats, 4544 Wood St.; cost, $1,800.
A. A. Schumacher, two-st'y flats, 1042 Addison St.; cost, $2,300.
C. M. Miller and T. W. Kidney, 2 two-st'y flats, 1159-1161 Congress St.; cost, $42,000.
John Blaine, two-st'y flats, 18-20 Kuchl Pl.; cost, $2,000.
Thomas Blaine, two-st'y flats, 17-19 Kuchl Pl.; cost, $2,000.
Amos L. Leonard, two-st'y flats, 3845 Aldine St.; cost, $4,000.
B. Delaney, two-st'y flats, 7444 Storms Ave.; owner, $1,700.
T. H. Henderson, two-st'y flats, Parlin bet. Eighty-second and Eighty-third St.; cost, $1,500.
J. Mertz, two-st'y flats, 701 North Ave.; cost, $800.
H. Ernskamp, two-st'y flats, 38 Lewis St.; cost, $2,000.
Thomas Ryan, two-st'y flats, Seventy-sixth St., near Milwaukee Ave.; cost, $1,600.
Peter Arp, two-st'y flats, 8931 Houston Ave.; cost, $1,400.
Charles Christian, three-st'y flats, 3825 Johnson Pl.; cost, $4,000.
Gustav Miller, two-st'y flats, 170 Jansen St.; cost, $3,000.
K. Hirsch, two-st'y flats, 938 George St.; cost, $1,300.
Henry Khranfels, two-st'y flats, 1271 Halsted St.; cost, $2,400.
David Crozier, three-st'y flats, 3611 Fifth Ave.; cost, $4,000.
Mangus Olson, two-st'y flats, 2239 Ashland Ave.; cost, $2,200.
William Frink, 2 two-st'y flats, Armour and Forty-ninth Sts.; cost, $3,600.

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Charles Peterson, two-st'y flats, 42 Perry St.; cost, $1,000.
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Trebilcock & Penhallegon, two-st'y flats, 7056 Winter St.; cost, $2,800.
M. Olson, two-st'y flats, Sixty-seventh and Winter Sts.; cost, $3,000.
C. S. Barker, flat, 4400 Langley Ave.; cost, $3,000.
Sorenson & Swabach, two-st'y flat, 954 Dania Ave.; cost, $3,000.
John Michaelson, two-st'y flat, 198 Humboldt St.; cost, $1,000.
J. Holland, two-st'y flat, Mayo and Cortland Sts.; cost, $1,400.
Joseph Preval, four-st'y flat, 44 Vernon Ave.; cost, $5,000.
M. Wieczoskowski, two-st'y flat, 8420 Superior St.; cost, $1,300.
John Carneick, two-st'y flat, 3417 Clark St.; cost, $2,000.
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John Rein, two-st'y flats, Aberdeen St., near Fiftieth St.; cost, $1,600.
C. Montfort, two-st'y flats, Baltic St., near Forty-seventh St.; cost, $1,500.
P. & C. Lundberg, two-st'y flats, 5721 Carpenter St.; cost, $1,600.
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G. Lutzen, two-st'y flats, 848 Melrose St.; cost, $1,400.
J. Stolbarski, two-st'y flats, 8522 Buffalo St.; cost, $1,200.
James Welch, two-st'y flats, 4659 Evans Ave.; cost, $2,500.
John Edmunds, two-st'y flats, Storms Ave. and Seventy-third St.; cost, $1,600.
Andrew Anderson, two-st'y flats, 840 Dudley St.; cost, $1,700.
James Perry, two-st'y flats, 14 North Sacramento Ave.; cost, $4,000.
Frank Lindstrom, two-st'y flats, 8324 Portland Ave.; cost, $2,800.
I. Johnston, two-st'y flats, 73 Hoffman Ave.; cost, $1,200.
John Cookman, two-st'y flats, 880 Fairfield St.; cost, $3,000.
E. Neuendorf, two-st'y flats, 577 Perry St.; cost, $1,400.
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S. B. Walker, two-st'y flats, 8 Chicago Ave.; cost, $2,300.
H. A. Kader, three-st'y flats, 921 Belmont Ave.; cost, $3,600.
George Wartz, two-st'y flats, 577 Paulina St.; cost, $3,000.
Robert C. Garrabout, two-st'y flats, 36 DeKalb St.; cost, $3,500.
Julius Meyer, three-st'y flats, 652 West Chicago Ave.; cost, $6,000.
Olsen & Nelson, two-st'y flats, 3 St. Mary St.; cost, $1,600.
Henry Hansen, three-st'y flats, 113 Evergreen Ave.; cost, $6,000.
R. Olf, two-st'y flat, 1208 Roscoe St.; cost, $2,200.
V. Vandewarke, two-st'y flat, 4744 Loomis St.; cost, $2,500.
Jacob Males, two-st'y flat, 5126 Loomis St.; cost, $1,800.
James Welch, two-st'y flat, 4637 Evans Ave.; cost, $2,500.
John Edmunds, two-st'y flat, Storm Ave. and Seventy-third St.; cost, $1,600.
J. Waline, three-st'y flats, 3253 Portland Ave.; cost, $4,000.
Theodore I. Rice, five-st'y flats, 3401 Lake Ave.; cost, $75,000.
Louisa Ross, two-st'y flats, 622 West Nineteenth St.; cost, $4,000.
Nels Swanson, two-st'y flats, 48 Baxter St.; cost. $2,400.
F. Engle, two-st'y flats, 5409 School St.; cost, $2,600.
Louisa Halstrom, two-st'y flats, 724 Logan St.
Lothgren Bros., two-st'y flats, 6122 Carpenter St.; cost, $2,500.
J. N. Young, two-st'y flats, 4503 Wood St.; cost, $2,300.
A. Guskie, two-st'y flats, 4834 Page St.; cost, $1,800.
P. Niedment, two-st'y flat, 6035 Sangamon St.; cost, $1,500.
L. La Rue, two-st'y flat, Duncan Pl. and Forty-second St.; cost, $2,000.
L. Wolf, three-st'y flats, Fifty-ninth and School Sts.; cost, $4,000.

New York, N. Y.—*Eleventh St., Nos. 304 and 306,* 2 five-st'y brick flats, tin roofs; cost, $48,000; owner, Henry Riffel, 321 East Seventeenth St.; architect, Bruno W. Berger, 80 Bible House.
Water St., s e cor. Market St., six-st'y brick flats, tin roof; cost, $45,000; owner, Thomas Brennan, 153 East Eighty-second St.; architect, Geo. Edw. Harding & Gooch, 40 Exchange Pl.
One Hundred and Twenty-third St., s e cor. Lexington Ave., five-st'y brick flat, tin roof; cost, $50,000; owner, Alexander A. Jordan, 1428 Lexington Ave.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.
Leroy St., n s, 200′ w Bradford St., 2 five-st'y flats, tin roofs; cost, $42,000; owner, Stevins brick McElroy & Co., 2117 Third Ave.; architect, John C. Burne, 1531 Third Ave.

St. Louis, Mo.—Two-st'y brick flats; cost, $4,500; owner, R. E. Tufenbrock; sub-let.
Two-st'y brick flats; cost, $8,500; owner, Henry Holborne; contractor, J. W. Barnes.
Three-st'y brick flats and store; cost, $4,900; owner, P. Sennewald; contractors, Wm. Lewis & Son.
Two-st'y brick double flat; cost, $7,300; owner, A. Keller; contractor, Jno. E. Kuknert.

CHURCHES.

Chicago, Ill.—Swedish Evangelical Free Church, Indiana Ave. and One Hundred and Tenth Sts.; cost, $5,000.

New York, N. Y.—*One Hundred and Thirty-seventh St.*, s s, 265′ e Willis Ave., one-st'y brick church, slate roof; cost, $47,000; owner, Bethany Presbyterian Church, 620 East One Hundred and Thirty-fifth St.; architect, Augustus Howe, 83 Nassau St.

Fort Worth, Texas.—Church to cost $60,000 is contemplated by St. Andrew's Episcopal Church.

Westville, N. J.—The corner-stone of the Methodist Protestant Church was laid on Saturday, Dec. 27, by Rev. Mr. Thackara.

FACTORIES.

Brooklyn, N. Y.—*Bogart St.*, s e cor. Meadow St., frame ice-factory, gravel roof; cost, $3,500; owner, H. Berau, 845 Van Buren St.; architect, Frank Holmberg, 1161 Broadway.
Waterbury St., w s, cor. Ten Eyck St., 100′ n Stagg St., two-st'y brick factory, store, engine and one-st'y boiler-house (two buildings in one), gravel and slate roofs; cost, about $19,000; owners, New York Bagging Co., on premises; architect, Clifton A. Hall, Providence, R. I.

Chicago, Ill.—Independent Brewing Association, six-st'y brewery, 598-612 North Halsted St.; cost, $75,000.

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BUILDING INTELLIGENCE.

R. Framke, three-st'y factory, 382-394 Hastings St.; cost, $5,000.
George Overmeyer, two-st'y cooper-shop, 775-777 West Fourteenth St.; cost, $3,000.
R. L. Martin, five-st'y factory, 643-647 Jefferson St.; cost, $12,000.
Neiman Neimhardt & Co., five-st'y factory, 262 Cornelia St.; cost, $10,000.
Warren Springer, eight st'y factory, 171-173 South Canal St.; cost, $60,000.
Fred Ladendorf, two-st'y shop, 3450 South Western Ave.; cost, $1,400.
Philip Raichart, Manufacturing Co., two-st'y factory, 812-816 West Nineteenth St.; cost, $6,000.

Chicopee Falls, Mass.—Taylor, Brambley & Co., three-st'y factory, Center St.

Easthampton, Mass.—Williston Knight Button Co., three-st'y brick factory.

Holyoke, Mass.—Mr. Riley, two-st'y factory, Highland Ave.; cost, $6,000; architect, G. P. B. Alderman; contract not let.

New York, N. Y.—*East Third St., Nos. 364-366,* five-st'y brick factory, tin roof; cost, $16,000; owner, William Henne, 364-366 East Third Street.; architects, J. Boekell & Son, 54 Bond St.
Elm St., from Pearle to Duane Sts., twelve-st'y brick factory, brick roof; cost, $800,000; owners, Edison Electric Illuminating Co., 432 Fifth Ave.; architects, Buchman & Deisler, 8 West Twenty-ninth St.

BUILDING INTELLIGENCE.

HOTELS.

Middlesborough, Ky.—Hotel, sanitarium and casino; cost, $300,000; builders, Cumberland Gap Park Co.; contractors, Mertz Bros., Port Chester, N. Y.

HOUSES.

Baltimore, Md.—A. L. Smith, 4 two-st'y brick dwells., s s Brady Ave., e York Road.
Charles J. Fox, three-st'y brick dwell., n e cor. North Ave. and Barclay St.
J. W. Lindall, 10 two-st'y brick dwells., e s Eden St., s Lauvale St.
Martin Sheeler, 3 three-st'y brick dwell., n s Lexington St., bet. Fulton and Mount Sts.
Jno. A. Evans, 5 two-st'y brick dwells., n s Riggs Ave., bet. Stockton and Corey Sts.

Boston, Mass.—*North Beacon St.*, near Saunders St., Ward 25, frame dwell., 24′ x 34′; owner and builder, D. Baldwin.
Day St., cor. Atwood Ave., Ward 22, frame dwell., 24′ x 41′; owner, Sarah J. Dakin; builder, J. L. Dakin.
Porter St., near Chelsea St., Ward 2, three-st'y frame dwell., flat roof, 21.6′ x 40′; owner, Robert Rausch; builder, I. B. Fernals.
M St., Nos. 31-33, Ward 14, 2 three-st'y frame

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dwells., flat roofs, 22′ x 66.9′; owner, W. J. Higgins; builder, John Nolan.

Millett St., near Wheatland Ave., Ward 24, frame dwell., 25′ x 36.6′; owner, Jessie M. Lent; builder, W. A. Lent.

Lexington Ave., e s, near Washington St., Ward 25, frame dwell., 25′ x 30′; owner, Ellen McInerney; builder, J. McCormack.

Selden St., No. 11, Ward 24, three-st'y frame dwell., pitch roof, 25′ x 49′; owner, G. Barnstead; builder, A. W. Joslin.

Monmouth St., Nos. 13-15, Ward 1, 2 three-st'y frame dwells., flat roofs, 21′ x 52′; owner and builder, W. Greenwood.

Kenney St., near Day St., Ward 22, three-st'y brick dwell., flat roof, 20′ x 40′; owner and builder, Timothy Wholey.

Magnolia St., near Lawrence Ave., Ward 24, frame dwell., 27.8′ x 38.2′; owner, I. W. Saladin; builder, J. H. Kellar.

Brooklyn, N. Y.—*Macon St.*, n s, 22′ w Ralph Ave., 4 two-st'y brick dwells., tin roofs; cost, $4,000 each; owners, N. H. & B. C. Raymond, 619 Baltic St.; architect, N. H. Raymond, 619 Baltic St.

Stanhope St., s s, 213′ 11″ w Wyckoff Ave., three-st'y frame dwell., wood and iron roof; owner, Henry Fick, 622 East Sixth St., New York City; architect, F. J. Lessing, 91 Ralph Ave.

Marion St., s s, bet. Ralph and Howard Aves., two-st'y brick dwell., tin roof; cost, $5,200; owner, Charles Bermel, 143 Sumpter St.; architect, E. Dennis, 115 Himrod St.

North Henry St., w s, 185′ n Nassau Ave., three-st'y frame dwell., gravel roof; cost, $3,500; owner, Chas. A. Miller, 128 Kent St.; architect, Fred Weber, 211 Manhattan Ave.

Fifteenth St., n s, 200′ e Fourth Ave., two-st'y brick dwell., tin roof; cost, $4,000; owner, Fred Apel, 165 Fifteenth St.

Dean St., s s, 250′ w Buffalo Ave., 15 two-st'y frame dwells., tin roofs; cost, $35,000; owner, Frank P. Martin, 1428 Bushwick Ave.

Schenck Ave., w s, 125′ n Blake Ave., 2 two-st'y frame dwells., tin roofs; cost, $1,500 each; owner, Chas. W. Tomlinson, New Lots Road Ave.

Greene Ave., n s, 110′ w St. Nicholas Ave., 2 two-st'y frame dwells., tin roofs; cost, $5,600; owner, George Grauer, Greene and St. Nicholas Aves.; architect, Ernest Dennis, 115 Himrod St.

Knickerbocker Ave., w s, 75′ s Stanhope St., three-st'y frame dwell., wood and iron roof; cost, $4,700; owner, George Gutting, 1331 Greene Ave.; architect, F. J. Lessing, 91 Ralph Ave.

Powell St., w s, 100′ n Liberty Ave., 6 two-st'y frame dwells., tin roofs; cost, $2,000 each; owner, Wm. Kirkland; architect, A. J. Warren, 2583 Atlantic Ave.

Nineteenth St., s s, 72′ w Seventh Ave., three-st'y frame dwell., tin roof; cost, $3,500; owner, A. G. Calder, 420 Eighth St.; architect, W. H. Calder, 420 Eighth St.

Seventh Ave., w s, 50′ s Nineteenth St., 2 four-st'y frame dwells., tin roofs; cost, $6,000; owner, A. G. Calder, 420 Eighth St.; architect, W. H. Calder, 420 Eighth St.

Knickerbocker Ave., w s, 50′ s Stanhope St., three-st'y frame dwell., wood and iron roof; cost, $4,500; owner, George Gutting, 1331 Greene Ave.; architect, F. J. Lessing, 91 Ralph Ave.

Stanhope St., s s, 80′ w Knickerbocker Ave., three-st'y frame dwell., wood and iron roof; cost, $3,000; owner, George Gutting, 1331 Greene Ave.; architect, F. J. Lessing, 91 Ralph Ave.

Flushing Ave., n s, 145′ e Vandervoort Ave., three-st'y frame dwell., wood and iron roof; cost, $4,500; owner, George Gutting, 1331 Greene Ave.; architect, F. J. Lessing, 91 Ralph Ave.

Osborne St., w s, 250′ s Belmont Ave., 3 three-st'y frame dwells., tin roofs; cost, $5,500 each; owner, L. Ratner, Osborne St.; architect, Chas. Infanger, 68 Van Siclen Ave.

Knickerbocker Ave., w s, 50′ n Himrod St., 2 three-st'y frame dwells., wood and iron roofs; cost, $4,500; owner, George Gutting, 1331 Greene Ave.; architect, F. J. Lessing, 91 Ralph Ave.

Macon St., s s, 201′ w Howard Ave., 6 two-st'y brick dwells., tin roofs; cost, $4,500 each; owners, architects and builders, Cornell & Barnes, 1549 Fulton Ave. and 43 Albany Ave.

Chicago, Ill.—A. Ponke, cottage, 2150 Auburn St.; cost, $1,500.

Frank Wesley, cottage, 249 Marvin St.; cost, $1,000.

C. C. Landt & Co., two-st'y dwell., 4571 Lake Ave.; cost, $7,000.

Charles J. Lapf, 3 two-st'y dwells., 4739-4743 Indiana Ave.; cost, $9,000.

P. W. George, 2 two-st'y dwells., Stewart Ave. and Seventieth St.; cost, $6,000.

F. Hillebrandt, two-st'y dwell., 2027 Butterfield St.; cost, $6,000.

Michael McNarry, 3 three-st'y dwells., 4200-4204 Calumet Ave.; cost, $21,000.

S. E. Weiser, cottage, Eighty-ninth St. and Cottage Grove Ave.; cost, $1,500.

J. Hoffman, cottage, 82 Baxter St.; cost, $1,400.

T. Gutzchow, 4 cottages, Avenue C and One Hundred and Seventh St.; cost, $2,000.

P. Schroeder, two-st'y dwell. and barn, 165 Flournoy St.; cost, $2,500.

Mr. Fluck, 3 cottages, 1318-1322 West Whipple St.; cost, $1,800.

John H. Earle, two-st'y dwell., St. Charles Ave. and Center St.; cost, $3,000.

James Fitzgerald, cottage, 1326 Thirty-fourth St.; cost, $1,500.

James Belanges, cottage, La Salle and One Hundred and Sixteenth St.; cost, $1,600.

C. C. Phillips, 2 cottages, Aberdeen and Sixtieth Sts.; cost, $2,400.

Herman Weisneis, 2 dwells., 5805-5807 Madison Ave.; cost, $5,000.

C. W. Marble, three-st'y dwell., 4341 Grand Boulevard; cost, $10,009.

Fred A. Brown, cottage, 222 Fifty-second St.; cost, $1,400.

A. J. O'Harn, cottage, Winter and Sixty-sixth Sts.; cost, $1,000.

E. L. Pantson, two-st'y dwell., 165 Irving St.; cost, $1,500.

William Frink, three cottages, 153-157-159 Heine St.; cost, $4,800.

Charles Burkhard, cottage, 55 Florence Ave.; cost, $900.

Charles Erickson, cottage, 6126 Carpenter St.; cost, $1,000.

Mike Ninandy, two-st'y dwell., Hollywood and Clark Sts.; cost, $1,200.

H. W. Ames, cottage, 5301 Winter St.; cost, $1,500.

Jacob N. Pfeiffer, cottage, 1782 North Leavitt St.; cost, $1,300.

W. H. Woolacott, 2 three-st'y dwells., 31-33 Rosyln Pl.; cost, $14,000.

Walker & Johnson, 2 two-st'y dwells., 302-304 Forty-ninth St.; cost, $9,000.

James Van Begay, 3 three-st'y dwells., Forty-sixth near Garfield Boulevard; cost, $15,000.

William Wertz, cottage, 1541 Harvard St.; cost, $1,000.

Frank Marsette, two cottages, Thirty-first and McAlpine Sts.; cost, $1,400.

George Nebel, cottage, 893 North Wood St.; cost, $1,000.

M. A. Hageman, two-st'y dwell., 5530 Elizabeth St.; cost, $2,000.

H. Van Etten, cottage, One Hundred and Tenth St. near Wentworth Ave.; cost, $800.

J. M. Reynolds, cottage, 6527 Winter St.; cost, $1,000.

John Steer, cottage, 341 West Forty-fourth St.; cost, $1,200.

Jacob Rodatz, two-st'y dwell., 167 Twenty-first St.; cost, $4,000.

George Prinz, cottage, 264 Hirsch St.; cost, $1,500.

V. Rozen, cottage, 1333 West Eighteenth St.; cost, $1,400.

Herman Rosenthall, cottage, 499 Dudly St.; cost, $1,500.

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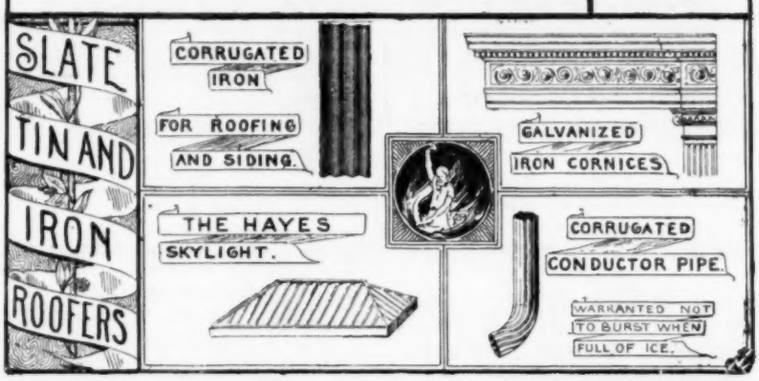

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H. W. Ames, three cottages, Fifty-third and Winter Sts.; cost, $3,600.

Frank Baer, two-st'y dwell., Clark and Victor Sts.; cost, $2,000.

B. Johnson, two-st'y dwell., 1774 Wrightwood Ave.; cost, $5,000.

H. Holderson, cottage, Stewart Ave. and One Hundred and Fifteenth St.; cost, $1,600.

Pullman Palace Car Co., 6 two-st'y dwells., Mourse and One Hundred and Thirteenth Sts.; cost, $16,000.

Anton Wagner, two-st'y dwell., 195 Seventy-fourth St.; cost, $2,500.

Louis Levy, two-st'y dwell., 419 Ashland Ave.; cost, $11,000.

Harvey Schules, two-st'y dwell. and barn, 17-21 York St.; cost, $4,000.

J. N. Hospold, two-st'y dwell., 373 Woodside St.; cost, $1,500.

Trebilcock & Penhallegon, two-st'y dwell., 6641-6643 Honore St.; cost, $1,600.

Trebilcock & Penhallegon, two-st'y dwell., 7031 Winter St.; cost, $1,800.

M. E. Donnelly, two-st'y dwell., 5116 Woodlawn Ave.; cost, $5,000.

J. H. Dunham, 4 two-st'y dwells., Fiftieth St. and Woodlawn Ave.; cost, $12,000.

W. R. Bartlett, two-st'y dwell., Eighty-second Pl. and Woodlawn Ave.; cost, $1,600.

W. F. Bartlett, two-st'y dwell., Eighty-first Pl. and Woodlawn Ave.; cost, $1,600.

E. Isbell, two-st'y dwell., 447 North Robey St.; cost, $4,000.

M. Mondry, two cottages, 449-451 Turner St.; cost, $2,000.

George D. Hollow, three-st'y dwell., 4345-47 Drexel Boulevard; cost, $2,500.

William Madlung, two-st'y dwell., Winter and Sixty-ninth Sts.; cost, $3,000.

Schlitz Brewing Co., cottage, Sixty-third St. and Ashland Ave.; cost, $1,800.

George F. Bailey, two cottages, 167-171 Clarkson St.; cost, $2,000.

Haverford College, Pa. — Constable Bros., 151 Broadway, New York, have in hand dwellings for Mr. Wilcox and Mr. Lesley.

Minneapolis, Minn.—H. J. Craswell, frame dwell., South Aldrich Ave., bet. Twentieth and Twenty-second Sts.; cost, $5,000.

T. H. Edmond, three frame dwells., 162-168 Linden Ave.; cost, $19,500.

New York, N. Y. — *Ninetieth St.*, 220′ w Central Park, West, 3 three-st'y brick dwells., tin roofs; cost, $36,000; owne James Brown, 164 West Ninety-second St.; archi, tect, G. F. Pelham, 1481 Broadway.

One Hundred and Fifty-third St., n s, 225′ e Morris Ave., three-st'y stone and wood dwell., tin roof; cost, $4,000; owner, Frank J. Stey, 590 Morris Ave.; architect, Fred Miller, 599 Morris Ave.

Bainbridge Ave., 150′ n William St., three-st'y brick and frame dwell., shingle roof; cost, $4,500; owner, Walter J. Lee, Bainbridge Ave., Fordham; architect, Lincoln A. Virtue, 831 Broad St., Newark, N. J.

Union Ave., s w cor. House St., three-st'y brick and frame dwell., tin roof; cost, $6,000; owner, Elizabeth F. Hickey, 3267 Third Ave.; architect, M. J. Garvin, 3311 Third Ave.

Philadelphia, Pa.—*Snyder Ave., Nos.* 746-748, three-st'y dwell.; owner, Michael A. Clark, 744 Snyder Ave.

Edgley St., n and s s, e Tenth St., 20 two-st'y dwells.; owner, John M. Sharp, 1036 South College Ave.

French St., s s, e Tenth St., 10 two-st'y dwells.; *Tenth St.*, e s, s French St., 9 two-st'y dwells.; owner, John M. Sharp, 1936 South College Ave.

Watkins St., n s, w Twelfth St., 3 two-st'y dwells.; owner, T. J. Armstrong, 2012 McClellan St.

Walker St., w s, s Comley St., two-st'y dwell.; owner, Henry Stoop, Comley St., e Erdrich St.

Nineteenth St., n w cor. Pierce St., two-st'y dwell.; owner, Jas. Galligan, cor. Twentieth and Morris Sts.

Melrose St., n s, w Fifty-seventh St., two-st'y dwell.; owner, Jas. McElroy, 4715 Melrose St.

Sixtieth-and-one-half St., s Hamilton St., two-st'y dwell.; owner, G. W. Steinmetz, on premises.

Dickinson St., n s, e Gaul St., 8 two-st'y dwells.; owner, David Phillips, 132 South Fourth St.

Jannett St., w s, n Freeland Ave., 3 three-st'y dwells.; owner, A. A. Harmer, Freeland Ave.

South Eleventh St., No. 1820, two-st'y dwell.; owner, George W. Morris, 1114 McClellan St.

Roberts Ave., s s, w Germantown Ave., two-st'y dwell.; owner, Michael Conway, East Dounton St.

East Norris St., No. 306, two-st'y dwell.; owner, Adolph Erdin, 1919 North Tenth St.

Somerville, Mass. — *Campbell Park*, frame dwell., 24′ x 28′; owner and builder, John W. Prevost.

Lawrence St., frame dwell., 28′ x 34′; owner and builder, James Hayden.

Berkeley St., frame dwell., 25′ x 30′, with L, 15′ x 19′, and stable, 20′ x 22′; owner, Listey Chappell; builders, C. O. & S. H. Abbott & Co.

Tufts St., frame dwell., 21′ x 27′, with L, 3′ x 15′; owner and builder, Wilbur P. Rice.

Tufts St., block of four frame dwells., 42′ x 56′; owner and builder, Wilbur P. Rice.

St. Louis, Mo. — Two-st'y brick dwell.; cost, $3,000; owner, Jno. Casey; contractors, Cook & Casey.

Two-st'y brick dwell.; cost, $4,000; owner and contractor, Chas. C. Newberry.

Two-st'y brick dwell.; cost, $4,000; owner, D. A. Cooper; contractor, J. W. Cooper.

Two-st'y brick dwell.; cost, $6,000; owner, Mrs. M. Berkely; contractors, A. J. & F. Munch.

Two-st'y brick dwell.; cost, $3,000; owner, Susie Schelp; contractors, Jas. F. Flavin & Co.

Two-st'y brick dwell.; cost, $4,600; owner, Wm. B. Ittner; contractor, F. Schwaebe.

Two-st'y brick dwell. and store; cost, $3,400; owner, Wm. Bischoff; contractor, F. Schwaebe.

Two-st'y brick dwell.; cost, $4,000; owner and contractor, Adolph Wagner.

Two-st'y brick dwell.; cost, $2,500; owner, Wm. Redmond; contractor, J. Wilkinson.

Two-st'y brick dwell. and store; cost, $12,000; owner, F. Spengen; sub-let.

Two-st'y brick dwell.; cost, $4,400; owner, Jacob Kammerer; contractor, Joseph Volk.

Two-st'y brick dwell.; cost, $2,700; owner, H. Millns; contractors, Wm. Rievve & Son.

Worcester, Mass. — *Ball St.*, one-st'y frame dwell.; owner and contractor, J. Larkham.

Perry St., two-st'y frame dwell.; owner, J. Pardoe; contractor, C. A. Stone.

Williams St., two-st'y frame dwell.; owner, Mrs. E. D. Buffington.

Providence Hill, three-st'y frame dwell.; owner, Nathaniel S. Jones; architect, J. B. Woodworth; contract not let.

OFFICE-BUILDINGS.

Bardstown, Ky. — Court-house to cost $20,000 will be built by Nelson County.

Houston, Texas. — T. J. Hurley contemplate building an eight-st'y office building; cost, abt. $200,000.

SCHOOL-HOUSES.

Boston, Mass. — *Green St.*, cor. Cheshire St., Ward 23, three-st'y brick school-house (Hillside School), hip roof, 78′ x 114′, for City of Boston; builders, Sampson, Clark & Co.

Chattanooga, Tenn.—School-house to cost $35,000, will be erected; architects, Blatherwick & Penn.

West Chester, Pa.—The Trustees and Building Committee of the State Normal School, at West Chester, Pa., will build a green-stone school-house; cost, $25,000; also dwell., for the principal, Dr. George M. Phillips; cost, $10,000.

Worcester, Mass. — Three-st'y brick and stone tenant school, West Boylston; architects, Fuller & Delano; contract not let.

STABLES.

Boston, Mass. — *Crescent Ave.*, near Cambridge St., Ward 4, two-st'y frame stable, 28′ x 30′; owner, H. Cousens; builder, C. W. Stevens.

Forest Hill St., rear, near Morton St., frame stable, 30′ x 30′; owner, S. B. Pratt; builders, Dame & Warner.

Chipman St., rear, near Norfolk St., Ward 24, one-st'y frame stable, 18′ x 20′; owner, Mrs. A. E. Naylor.

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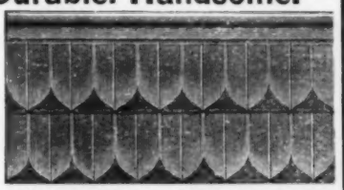

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BUILDING INTELLIGENCE.

Gleason St., No. 22, rear, Ward 24, one-st'y frame stable, 20′ x 26′; owner, Arthur Merritt; builder, D. G. Squire.

Chicago, Ill.—Martin Lass, two-st'y barn, 1059 Milwaukee Ave.; cost, $1,000.

New York, N. Y.—*One Hundred and Eighteenth St.*, 75′ e Manhattan Ave., two-st'y brick stable, tin roof; cost, $9,000; owner, John Reilly, 312 West One Hundred and Eighteenth St.; architect, C. A. Milner, Jr., 715 East One Hundred and Forty-fifth St.

Philadelphia, Pa.—*Nineteenth St.*, n w cor. Pierce St., two-st'y stable; owner, Jas. Galligan, Twentieth and Morris Sts.

Orthodox St., No. 1646, two-st'y stable; owner, T. W. Harris, on premises.

St. Louis, Mo.—Three-st'y brick school; cost, $14,000; owners, St. Louis Public Schools; contractor, R. Shinnick.

Somerville, Mass.—*Berkeley St.*, frame stable, 20′ x 22′; owner, Liffey Chappell; builders, C. O. & S. H. Abbott & Co.

STORES.

Brooklyn, N. Y.—*Knickerbocker Ave.*, n w cor. Himrod St., 2 three-st'y frame stores and dwells., wood and iron roofs; cost, $4,500 and $4,700; owner, Geo. Gutting, 1331 Greene Ave.; architect, F. J. Lessing, 91 Ralph Ave.

Van Cott Ave., s w cor. Sutton St., three-st'y frame store and dwell., gravel roof; cost, $6,600; owner, J. Sheridan, 479 Humboldt St.; architect, Fred Weber, 211 Manhattan Ave.

Knickerbocker Ave., w s, 25′ s Stanhope St., three-st'y frame store and dwell., wood and iron roof; cost, $4,500; owner, George Gutting, 1331 Greene Ave.; architect, F. J. Lessing, 91 Ralph Ave.

Seventh Ave., s w cor. Nineteenth St., four-st'y frame store and dwell., tin roof; cost, $6,500; owner, A. G. Calder, 420 Eighth St.; architect, W. H. Calder, 420 Eighth St.

Seventh Ave., w s, 25′ s Nineteenth St., four-st'y frame store and dwell., tin roof; cost, $6,000; owner, A. G. Calder, 420 Eighth St.; architect, W. H. Calder, 420 Eighth St.

Knickerbocker Ave., s w cor. Stanhope St., three-st'y frame store and dwell., tin roof; cost, $4,300; owner, George Gutting, 1331 Greene Ave.; architect, F. J. Lessing, 91 Ralph Ave.

Eastern Parkway, s s, 25′ e Thatford Ave., *and Watkins St.*, e s, 125′ s Belmont Ave., 2 three-st'y frame stores and dwells., tin roofs; cost, $2,800 each; owner, L. Ratner, Osborne St.; architect, Charles Infanger, 68 Van Sicien Ave.

Nassau Ave., s w cor. Newel St., 4 three-st'y brick stores and dwells., tar and gravel roofs; cost, $20,000; owner and architect, C. E. Stockford, 92 Norman Ave.

Suydam St., n s, 200′ e Hamburg Ave., three-st'y frame store and dwell., tin roof; cost, $6,500; owner, A. Ledelmeyer, 135 Hamburg Ave.; architect, Frank Holmberg, 1161 Broadway.

Throop Ave., s w cor. Gerry St., 2 three-st'y stores and dwells., tin roofs; cost, $9,000; owner, Michael Zickle, Throop Ave. and Gerry St.; architects, David Acker & Son, 752 Broadway.

Meeker Ave., n w cor. Sutton St., 2 four-st'y frame stores and dwells., gravel roofs; cost, $15,000; owners, Kings Co. Improvement Co., Kingsland and Van Cott Aves.; architect, Fred Weber, 211 Manhattan Ave.

Putnam Ave., n e cor. Patchen Ave., four-st'y brick store and dwell., tin roof; cost, $12,000; owner, Thomas Walling, Summerville, N. J.; architect, H. W. Billard, 99 Broadway.

Chicago, Ill.—Michael Peters, two-st'y store and hall, 574-576 West Forty-eighth St.; cost, $4,500.

Henry Valk, two-st'y store and flats, Thirty-eighth St. and Archer Ave.; cost, $1,300.

Christian Schaf, two-st'y store and dwell., 72 Seward St.; cost, $3,000.

Henry Breyer, two-st'y store and dwell., 997 Western Ave.; cost, $1,400.

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William Hyink, three-st'y store and dwell., 489 Forty-third St.; cost, $10,000.

T. Hume, two-st'y store and flats, Elsdon and Fifty-first Sts.; cost, $2,500.

William Coogan, two-st'y store and dwell., 1405 West Polk St.; cost, $4,000.

C. Marquette, two-st'y store and dwell., 955-957 Hinman St.; cost, $3,500.

W. J. Lawrence, 2 three-st'y stores and flats, 427-429 Thirty-fifth St.; cost, $5,000.

John Jarvas, three-st'y store and flat, 1052 West Nineteenth St.; cost, $10,000.

T. R. Warnes, two-st'y store and flats, 170 Halsted St.; cost, $2,500.

G. Metzel, two-st'y store and flats, 4613 Ashland Ave.; cost, $2,200.

L. Lemman, two-st'y store and flats, 4532 Wentworth Ave.; cost, $1,400.

Susan F. Colestock, three-st'y stores and flats, 4609 Ashland Ave.; cost, $2,000.

H. E. Burbach, three-st'y store and hall, Elston St. and Belmont Ave.; cost, $5,000.

John Vaughn, three-st'y store and flat, 3815 Wallace St.; cost, $8,000.

John Kaar, 2 three-st'y stores and flats, 1547-1549 West Twelfth St.; cost, $8,000.

Anton Sophrowski, store and dwell., 245 West Webster Ave.; cost, $1,500.

R. Geister, three-st'y stores and flats, 1447 Filmore Ave.; cost, $11,000.

P. N. D. Cash, 2 three-st'y stores and flats, 3001-3003 Armour St.; cost, $22,000.

WAREHOUSES.

Baltimore, Md.—Five-st'y brick warehouse, s s Pratt St., bet. Paca and Greene Sts.; builder, Leon Laver.

Brooklyn, N. Y.—*Laurence St.*, e s, 61′ s Myrtle Ave., four-st'y brick furniture warehouse, tin roof; cost, $15,000; owner, Miss Elizabeth O'Flanagan, Buffalo, N. Y.; architect, Chas. Werner, 26 Court St.

Camden, N. J.—*Linden St.*, foot of Delaware River, the Philadelphia and Reading Railroad Company, warehouse.

(*Continued on page* xxiv.)

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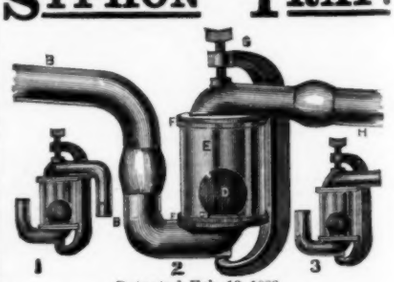

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BUILDING INTELLIGENCE.

Chicago, Ill. — C. B. La Moyne, two-st'y warehouse, 554-556 North Ave.; cost, $4,500.

H. C. Kimball, warehouse, 5047-5049 Lake Ave.; cost, $2,000.

Felix & Marston, five-st'y warehouse, Wright and Fifteenth Sts.; cost, $50,000.

MISCELLANEOUS.

Baltimore, Md. — Three-st'y theatre building; cost, $75,000; owner, J. L. Kernan; contractor, W. B. Gray, Washington, D. C.

Boston, Mass.—*Gerard St.*, near Farnham St., Ward 20, one-st'y frame machine-shop, flat roof, 50′ x 260′; owners, G. W. & F. Smith Iron Co.; builder, A. S. Drisko.

Brooklyn, N. Y. — *South Tenth St.*, s s, 100′ e Kent Ave., two-st'y steam-pump works, tin roof; cost, $4,500; owners, Guild & Garrison, 457 and 463 Kent Ave.; architect, C. A. Weekes, 66 South Tenth St.

Humboldt St., n e cor. Hubert St., three-st'y brick station-house and extension, tin roof; cost, $41,550; owner, City of Brooklyn; architect, George Ingram, 357 Fulton St.

Pier on East River, bet. Noble and Oak Sts., two-st'y frame shed for storage purposes, gravel roof; cost, abt. $5,000; owners, American Mfg. Co., 16 Exchange Pl., New York City; architects, Drew, Baldwin & Co., 45 Broadway, New York City.

Chicago, Ill.— Peter Sodowski, basement, 8810 Commercial Ave.; cost, $1,000.

Mrs. M. Jones, basement, 3250 Armour St.; cost, $1,800.

Grand Rapids, Mich. — In competition with other architects (three from this city and one from Detroit), E. E. Myers & Son, of Detroit, were awarded the job of making plans for a new police-court building for this city, to cost $40,000.

New York, N. Y. — Henry M. Congdon, architect, has removed his office from 31 Broadway to Welles Building, 18 Broadway.

Philadelphia, Pa.—*Colona St.*, above Susquehanna Ave., extending from Eleventh to Twelfth Sts., car depot and machine shop; cost, abt. $35,000; builders, Samuel Hart & Sons; owners, Citizens' Passenger Railway Company.

Herman St., s s, w Twenty-ninth St., two-st'y back building; owner, Lewis Paul, 2307 North ThirtiethSt.

Tacony St., *No.* 4736, two-st'y back building; owner, T. Waters, cor. Melrose and Frankford Sts.

Vincent St., w s, n Buttonwood St., two-st'y smith-shop; contractor, Chas. Auchter, 1523 North Twenty-seventh St.

Lawrence St., cor. Ontario St., one-st'y bleaching-room; contractors, Einwechter & Hodges, 312-314 Diamond St.

Diamond St., *No.* 1706, two-st'y back building; contractors, Jas. Bentley & Son, 2114 Green St.

Uber St., s e cor. Berks St., one-st'y refrigerator; contractor, G. C. Dietrich, 1830 Berks St.

Girard Ave., n s, w Marshall St., three-st'y hall; contractor, M. Schmid, 639 North Sixth St.

Indiana Ave., n e cor. Fillmore St., Barnes & Bever are taking estimates for a five-st'y mill; architects, Geissinger & Hales.

Recently, the building inspectors discussed questions which arose relative to the strength of the walls of the new building of the Pennsylvania Institute for the Deaf and Dumb at Chestnut Hill, but left the business with the district inspector. There was a collapse of a wing of one of the large buildings some time ago.

Wistar St., s e s, s w Clarkson Ave., stone boiler-house; contractor, W. F. Raynor, 4128 Pechin St.

Olive St., *No.* 1316, boiler-house; owner, J. H. Mitchell, 246 West Logan Square.

Richmond, Va. — Plans have been prepared for a three-st'y building for the Richmond Club; cost, $60,000; architects, Carrère & Hastings.

Washington, D. C.—A company will be chartered to establish a Chatauqua Institute at Glen Echo. Buildings to the amount of $1,000,000 are contemplated.

Worcester, Mass. — Four-st'y brick and granite State Odd Fellows Home, "Barbers Crossing"; architects, Barker & Nourse; no contracts let.

PROPOSALS.

February 11, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 9th day of March, 1891, for all the labor and materials required for the stone and brick work of the superstructure of the United States Post-office, Court-house, etc., building at Troy, N. Y., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Troy, N. Y. Each bid must be accompanied by a certified check for $1,000. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in an envelope sealed and marked "Proposal for the Stone and Brick Work of the Superstructure of the United States Post-office, Court-house, etc., building at Troy, N. Y.," and addressed to JAS. H. WINDRIM, Supervising Architect. 792

February 11, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 10th day of March, 1891, for all the labor and materials required for all the joiner's work, wood-flooring, hardware, glazing, painting and polishing, and marble-work for the United States Post-office, etc., building at Dayton, O., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Dayton, O. Each bid must be accompanied by a certified check for $300. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Each proposal must be enclosed in an envelope sealed and marked "Proposal for the Joinery-work, Wood-flooring, etc., for the United States Post-office, etc., building at Dayton, O.," and addressed to JAS. H. WINDRIM, Supervising Architect. 792

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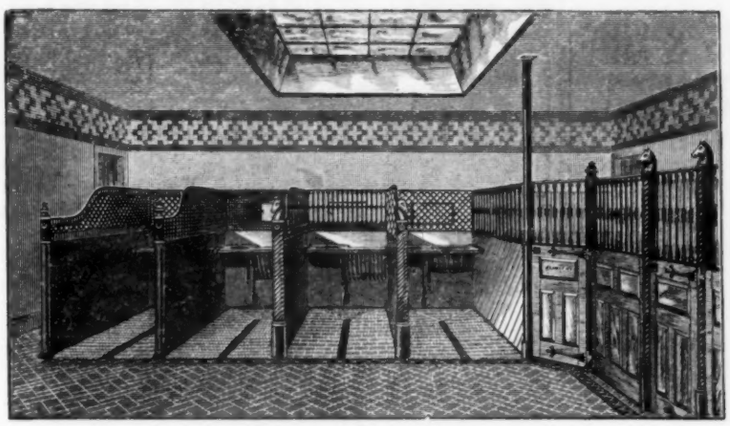

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[*See Alphabetical Index on page VII for Pagination.*]

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Blake Bell Co., Boston.
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Washington Hydraulic-Press Brick Co., Washington, D. C.
Brick Machine.
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Bureau Bros., Philadelphia, Pa. (mon)
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Harwood Manufacturing Co., Boston.
Chimney Tops.
H. M. Hansen, Chicago, Ill. (mon)
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Armor, Martin & Co., Allegheny, Pa. (cow)
W. Austin Obdyke & Co., Philadelphia.
Boston Spiral Tube Works, Boston.
Seaderless Standing-Seam Conductor Co., Allegheny, Pa.
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Flynt Building & Construction Co., Palmer, Mass.
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Samson Cordage Works, Boston. (cow)
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L. Haberstroh & Son, Boston.
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Wm Luitink & Sons, Milwaukee, Wis.
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Wolcott & West, Syracuse, N. Y.
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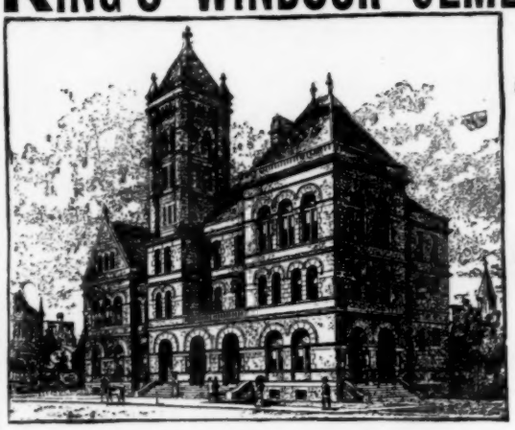

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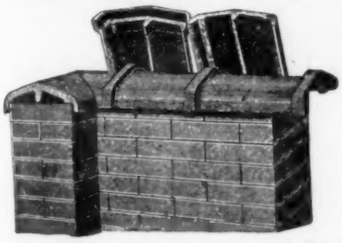

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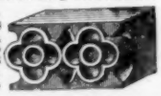

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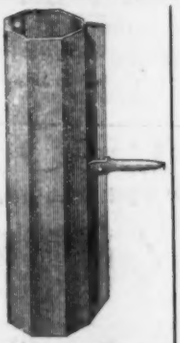

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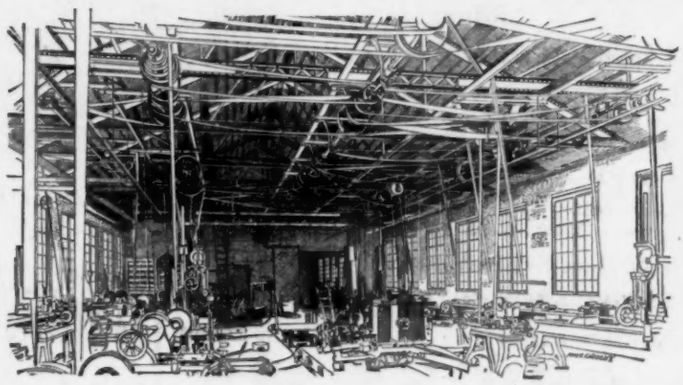

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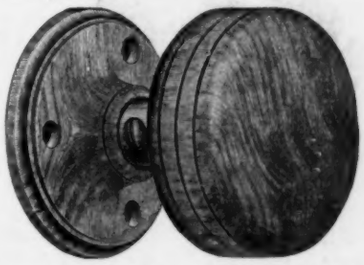

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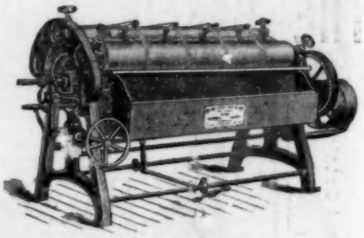

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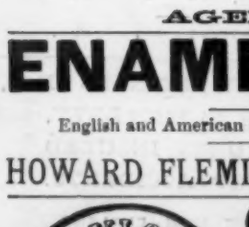

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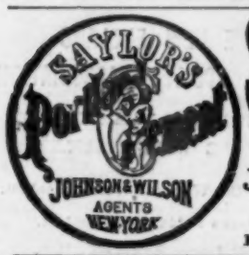

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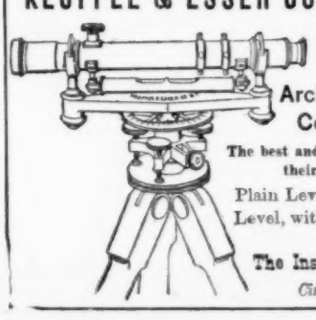

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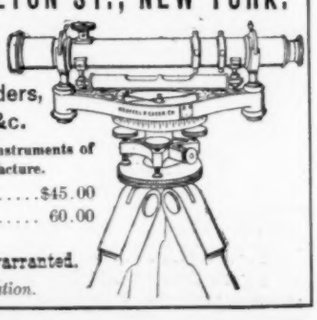

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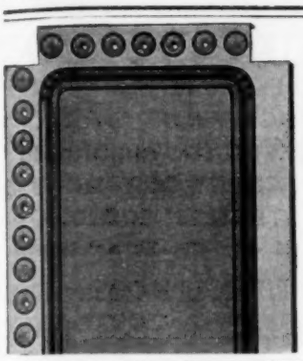

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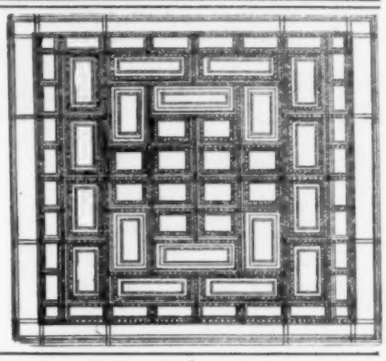

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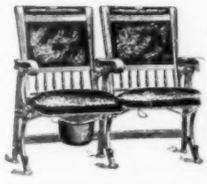

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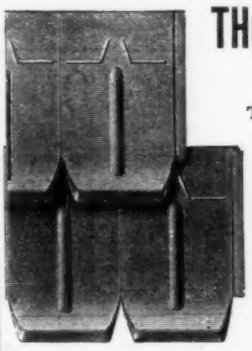

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Reported for the American Architect and Building News.

BRICK.—₱ M.	New York. (Wholesale Prices.)	Boston.	Chicago. Prices to Builders and Contractors.	Philadelphia.
Common: Cargo afloat.				In Yard.
Pale	2 75 @ 3 25	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 9 00
Jersey	5 00 @ 6 00	Bay State Hard 8 00 @ 9 00		" @ 7 0
Long Island	6 00 @ 6 25	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Salmon @ 5 00
Up River		Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 00
Haverstraw Bay 2nd	6 00 @ 6 25	Philadelphia 40 00 @ 45 00		Light Stretchers @ 10 00
" 1st	6 25 @ 6 50	Phila. mould 50 00 @ 80 00	15 00 @ 27 00	Medium " @ 12 00
Hollow	@ 13 00		65 00 @ 350 00	Red " @ 13 00
Fronts		Anderson 14 00 @ 32 00	@ 55 00	Dark " @ 13 00
Croton, Brown	@ 13 00		45 00 @ 50 00	Pressed 18 00 @ 20 00
" dark	@ 14 00		45 00	Best Paving @ 14 00
" red	@ 14 00		25 00	Second " @ 13 00
Chicago pressed (Anderson)			90 00 @ 100 00	Third " @ 12 00
Chicago Moulded			30	
Baltimore	37 00 @ 41 00		35	
Philadelphia	23 00 @ 24 00		55 00 @ 65 00	Dom. @ 60 @ 65
Trenton	22 00 @ 23 00			
Milwaukee			@ 100 00	
Moulded:			@ 120 00	
Glens Falls Red Pressed	@ 37 00			
" " Buff "	@ 30 00			
" " Moulded Red & Buff	45 00 @ 70 00			
Enamelled: *Imp.*				
Enamelled (edge.)	85 00 @ 100 00			
Enamelled (edge and end)	90 00 @ 115 00			
CEMENT, LIME, etc.—(₱ cask.)				
Rosendale Cement	1 10 @ 1 25	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co 2 60 @ 3 00	1 05 @ 1 30	B S & Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmeor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Josson
" " (Lagerdofer)	@	2 55 @ 3 0	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not Sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45	2 15 ₱ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	11 50	9 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Ten	3 50 @ 4 00		*Not sold.*	White Lime
Hydraulic Lime	@ 1 45	@ 1 35		25 @ 30 ₱ bush
Chicago Lime in bulk		St. ohn 1 00	55 @	White Mass
Wisconsin "			60 @	1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 90	@ 1 05	*Not sold.*	1 00 @ 1 00
Rockland and Rockport, finish	@ 1 10	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing "	@ 1 05	*Not sold.*	*Not sold.*	*Not sold*
Plaster of Paris (calcined.)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ bush	15 @ 18	25 @ 30	30 @ 25	20 @ 25
" (Goat)	20 @ 22	@ 30	30 @ 55	30 @ 32
Sand, ₱ load	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
STONE. (₱ cubic foot, rough.)				
Granite: (Maine)		@ 60		55 @ 55
Limestone:	45 @ 1 35	55 @ 1 00	50 @	
Bedford	@ 1 00		35 @ 55	75 @ 90
Joliet			35 @ 60	Richmond
Lemont			@ 1 00	75 @ 1 50
Serpentine		10 50 per ton		4 50 ₱ Perch

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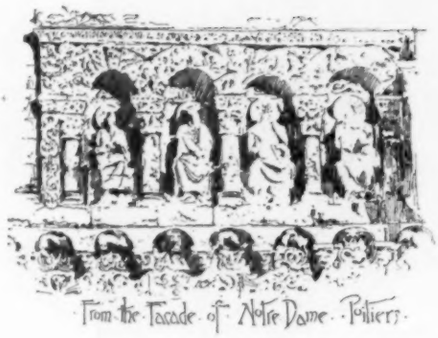
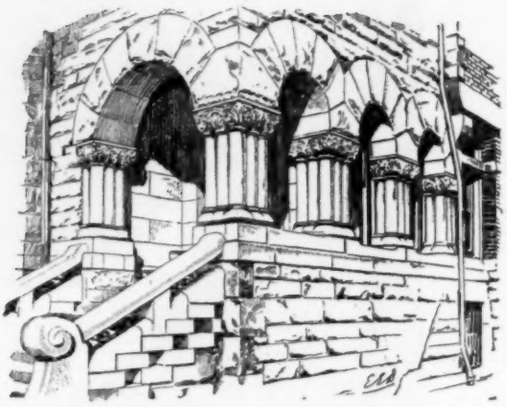
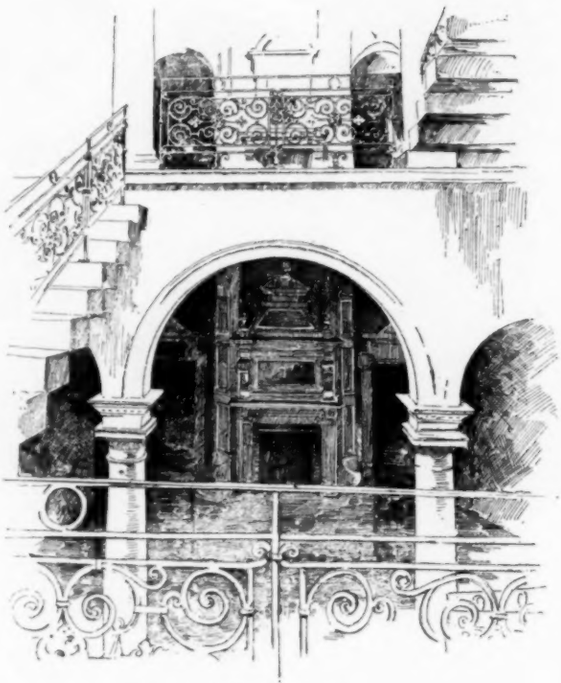
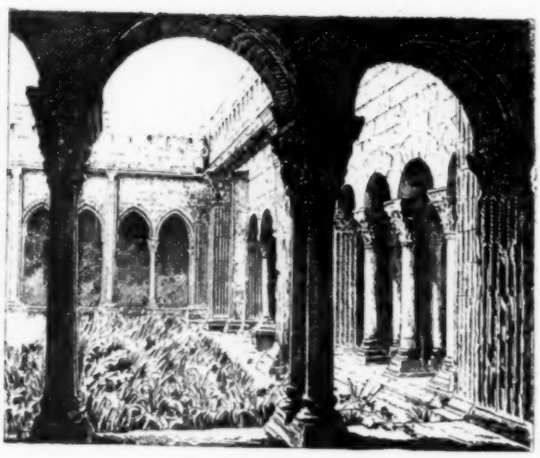




A Porch at Chicago.



A Silesian Interior.



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Mortar Colors.				
Black, brown, buff ℔ lb.	@ *2½			
Colorific ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 50 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (℔ sq. ft.)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	75	50 @ 1 00	37 @ 50
Sandstone,				
Longmeadow	@ 80	80 @ 90		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle, English	@ 1 05	@ 1 05		95 @ 1
Corse Hill (Scotch)	@ 1 05	1 05		
Marble (℔ cu. ft.)				
Lee, Mass	@	1 75 @ 2 50	*Not sold.*	2 00 @ 2 50
Rutland, white and Blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	350 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate; Roofing (℔ square)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" red	4 25 @ 4 75	@	6 25 @ 8 85	3 25 @ 4 00
" black, Lehigh	— —	@	7 30 @ 8 00	4 00 @ 4 65
" " Chapmans	5 50 @ 8 00	5 50 @ 8 0	6 00 @ 9 00	5 50 @ 8 00
" Unfading Black, Monson, Me.			*Not sold.*	@ 25 00
Tiles, Am. ℔ M				6 00 @ 6 75
N. Peach Bottom, warranted unfading				
PAINTS. (*In oil,* ℔ lb.)				
White lead, Am.	7 @ 7½	7½ @ 7½	6½ @ 7	@ 7½
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.	6½ @ 7	7½ @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermilion	65 @ 70	75 @ 80 dry	65 @ 68	Eng. @ 76
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	52 @ 58	56 @ 57	57 @ 60	@ 60
" " boiled	54 @ 62	59 @ 60	60 @ 63	@ 63
Turpentine	41 @ 42	44 @ 45	51 @ 51	@ 44
Varnish, coach		1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac		2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	2 @ 4	2 @ 4	02 @ 02½	2 @ 2½
Whiting (℔ cwt.)	75 @ 1 00	1 @ 1½	1 @ 1½	½ @ 1
Paris white, (Eng.,)	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am.	04 @ 6	@ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 15	4 @ 14
Umber, "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 50	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per lb 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4" x 4" (℔ doz. pairs.)				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish (℔ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (w' cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (℔ Set.)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:		@	13 @ 16	13½ @ 16
Sheet Lead		@ 8	7	@ 6½
Lead Pipe		@ 7½	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft	3 3-10 @ 3½	@ 3 1-10	3.20 @ 3.70	@ 2 8-10
I-Beams, over 30 ft. ½, ¼, ¾ c. advance				@ 2 8-10
Channel-Beams	3 3-10 @ 3½	@ 3 1-10		@ 2 8-10

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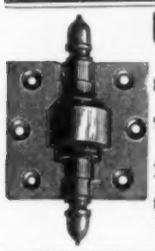

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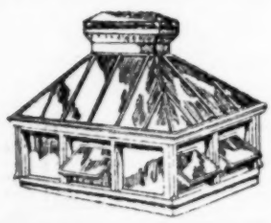

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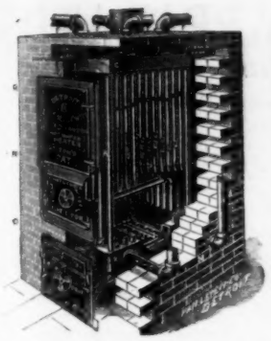

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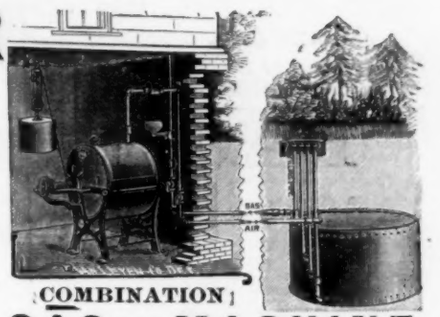

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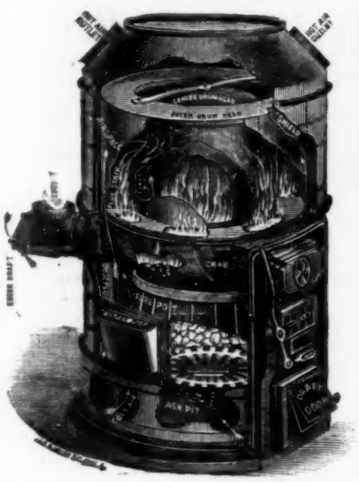

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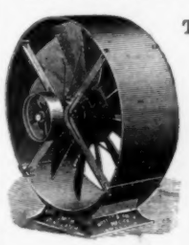

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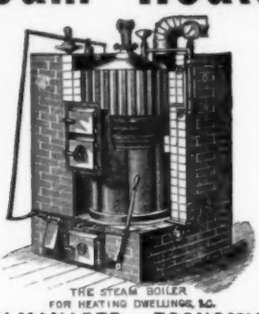

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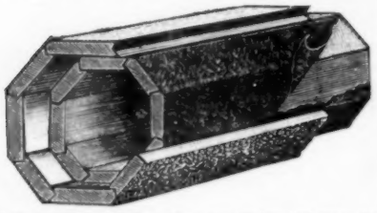

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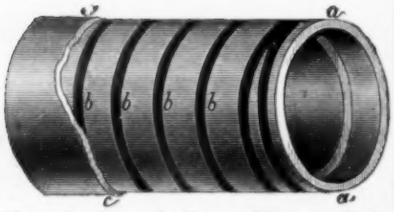

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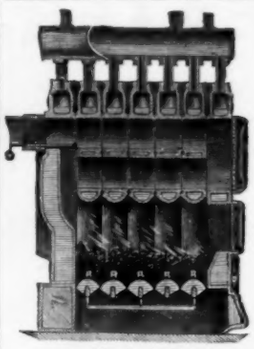

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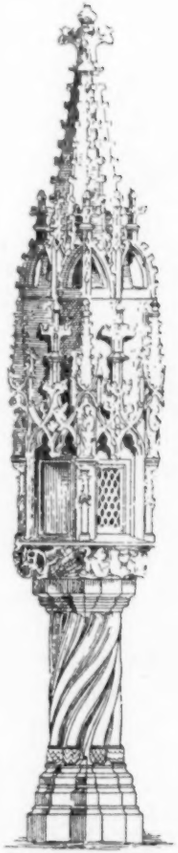

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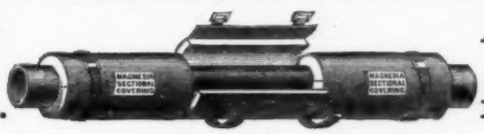

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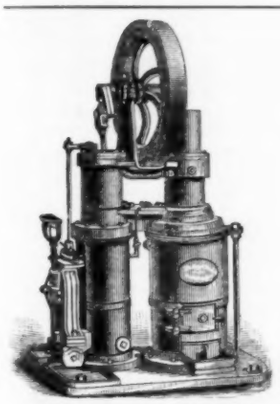

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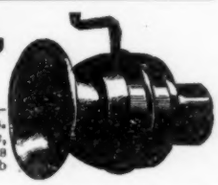

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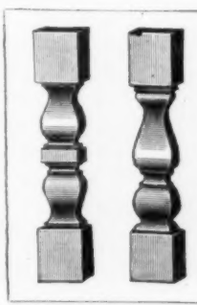

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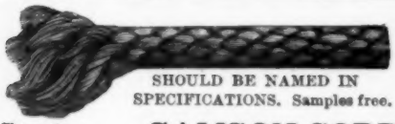

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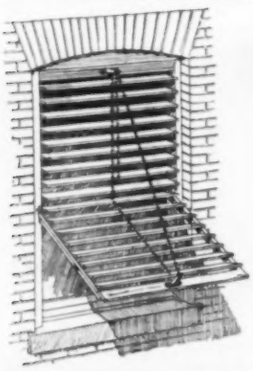

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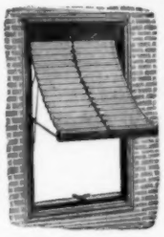

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The American Architect and Building News

IS PUBLISHED EVERY SATURDAY BY

TICKNOR & COMPANY,

211 Tremont St., Boston, Mass.

For the American Architect and Building News Co.

Advance Subscription Rates.

Regular Edition, $6.00 per year; six months, $3.50.
Imperial Edition, $10.00 per year; six months, $6.00.
International Edition, per year in advance, $25.00.
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PERSPECTIVE DRAWING.

The *American Architect* Drawing-Office will undertake the preparation of perspective drawings in line or color from scale drawings, or will render drawings already in outline. Address the editors.

WANTED.

POSITION.—Wanted, by a young man of 24, a situation as draughtsman; have had about three years of practical experience. Address "F. J.," 4 Gordon Street, Dorchester, Mass. 792

WANTED.

CATALOGUES. — W. J. East, architect, Westinghouse Building, Pittsburgh, Pa., would be pleased to receive trade circulars, catalogues, samples, etc. 793

WANTED.

DRAUGHTSMAN. — Wanted, first-class draughtsman; one experienced in furniture and general interior decoration. Address Chapman Decorative Co., 1322 Chestnut Street, Philadelphia. 792

WANTED.

DRAUGHTSMAN.—A first-class draughtsman who is a good designer and superintendent is wanted as foreman of an office in this city; good pay and permanent position. Address, giving references, "X.," care this office. 792

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POSITION. — Wanted, permanent position by a young English draughtsman; five years' experience in general office-work. Address "F. J. W.," 413 St. Paul's Street, Baltimore, Md. 793

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DRAUGHTSMAN. — A competent architectural draughtsman having experience in Eastern offices and well up in artistic design can obtain a steady position and good pay by addressing "S.," care *American Architect*, Tremont Street, Boston. 793

WANTED.

CATALOGUES. — Having had my office destroyed by fire on the 6th of February, I would like to receive again trade catalogues and samples. Address P. E. Dennis, Architect, 657 Poplar Street, Macon, Ga. 792

WANTED.

DESIGNER. — Wanted, a first-class decorative designer; one thoroughly versed in the various styles and a perfect colorist; send sketches and state salary. Address W. P. Nelson & Co., 193 Wabash Avenue, Chicago, Ill. 794

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See the first issue of the month for the following advertisements.

Walton Architectural Iron Co.
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A. G. Newman.
J. J. Read.
Esterbrook Pen Co.
J. B. Shannon & Sons.
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Millers Falls Co.
Peninsular Metal Works.
Flanagan & Biedenweg.
J. & R. Lamb.
Pittsburgh Mineral Wool Co.
Sims & Millard.

See last or next issue for the following advertisements.

Howson & Howson.
Chrome Steel Works.
F. W. Devoe & Co.
Gorton & Lidgerwood.
B. F. Sturtevant.
Bailey Reflector Co.
E. D. Albro Co.
J. S. Thorn.
F. E. Cudell.
Continental Insurance Co.
Pittsburgh Plate Glass Co.
Employers' Liability Assurance Co.
Alsen's Cement Works.
Frey, Sheckler Co.
Cortright Metal Roofing Co.
Adamant Mfg. Co.
Armor, Marlin & Co.

BUILDING PATENTS.

[*Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.*]

445,544. Weather-Stripping. — William H. Cosper, Chicago, Ill.

445,578. Sash-Cord Guide. — James R. Walsh, Troy, N. Y.

445,595. Brick-Kiln. — Thomas Gamon, Philadelphia, Pa.

445,610-611. Platform-Elevator. — George Ruddell, New York, N. Y.

445,614. Apparatus for Opening Doors. — Victor Méhay, Brussels, Belgium.

445,646. Carpenter's Gauge. — Alexander A. Welsh, Allegheny, Pa.

445,681. Clapboard-Holder. — Benjamin P. Mooney, Olean, N. Y.

445,685. Skylight. — George Bickelhaupt, New York, N. Y.

445,714. Chimney.—Paul Dickinson, Chicago, Ill.

445,748. Discharge-Regulator for Hydraulic Elevators.—Richard T. Crane, Chicago, Ill.

445,762. Heating and Ventilating Apparatus and System.—James A. Skilton, Brooklyn, N. Y.

445,779. Floor. — Henry Herrmann, New York, N. Y.

445,824. Dumb-Waiter.—Horace A. Smith, Brooklyn, N. Y.

445,848. Construction of Privy-Vaults. — Thomas W. Carrico, San Antonio, Texas.

445,892. Water-Closet. — John M. Holloway, Santa Barbara, Cal.

445,926. Radiator.—George B. Cobb, Chicago, Ill.

445,930. Automatic Fire-Alarm.—John P. Deen, Louisville, Ky.

445,931. Electric Fire-Indicator. — Thomas R. Douse, London, England.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING FEBRUARY 20, 1891.

From Antwerp. — Steamer "*Noordland*," 1,500 barrels cement, order.

From Genoa. — Bark "*Innocenta*," 569 marble slabs, 74 blocks marble, order. Bark "*Teresa Accame*," 1,089 slabs and tables marble, Taber & Co.; 60 blocks marble, order.

From Glasgow. — Steamer "*State of Nevada*," 21 cases granite, Erie Dispatch Co.; 6 do., Commercial Express Co.; 30 barrels enamelled bricks, C. R. Weeks & Bro.; 3 cases granite, Davidson Marble Co.; 263 do., Austin, Baldwin & Co.; 124 cases granite, order.

From Hamburg. — Steamer "*Scandia*," 400 cakes asphaltum, E. Thiele.

From Hull. — Steamer "*Galileo*," 80 casks bricks, Howard Fleming; 438 do., Meeker & Carter.

From Laguna. — Schooner "*D. W. McLean*," 324 logs mahogany, J. Rayner.

From Liverpool. — Steamer "*Etruria*," 200 packages cement, Atlas Steamship Co. Steamer "*City of Berlin*," 14 cases cycle cement, order.

THE SYMPATHETIC INK

For making additions and changes upon blue prints. Man'fd by STUPAKOFF & NAFGELEY, cor. Liberty and Ninth St., Pittsburgh, Pa.

ANNUAL EXHIBITION.

The Boston Architectural Club will hold its Annual Exhibition from May 18th to 30th, inclusive, of Architectural Drawings and Sketches, Photographs, and Designs for Furniture and Decoration.

Drawings will be received by agents in the principal cities, and forwarded and returned at the expense of the Club.

Special notices will be given later.

All inquiries should be addressed to the

Boston Architectural Club,
6 Hamilton Place, Boston.

R. Clipston Sturgis, *Secretary*.

IMPORTS OF BUILDING MATERIALS, Etc.

From London. — Steamer "*Ludgate Hill*," 500 casks cement, order. Steamer "*Italy*," 500 casks cement, Howard Fleming; 1,000 casks cement, order.

From Nuevitas. — Brig "*M. B. Daly*," 701 pieces cedar-wood, Henry W. Peabody & Co. Schooner "*Avenger*," 860 pieces cedar, H. W. Peabody & Co.

From San Domingo City. — Brig "*Mary E. Pennell*," 5 pieces mahogany, L. W. & P. Armstrong.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

ALTERATIONS.

Brooklyn, N. Y. — *Nostrand Ave.*, e s, bet. Macon and Halsey Sts., three-st'y brick and stone school, slate and tin roof; three-st'y brick extension, slate and tin roof to be added; cost, $140,000; owners, Board of Education, 131 Livingston St.; architect, James W. Naughton, 131 Livingston St.

President St., No. 202, four-st'y brick dwell., tin roof; to be raised one story, internal and other alterations; cost, $4,000; owner, W. S. Shattuck, President St.; architect, R. M. Upjohn, 84 Woodhull St.

Grand Ave., n e cor. Roebling St., four-st'y brick furniture store and storage building, tin roof; four-st'y brick extension and internal alterations; cost, $3,000; owner, A. Schulz, on premises; architect, Fr. Holmberg, 1161 Broadway.

Grand Ave., n s, 25′ e Roebling St., two-st'y brick furniture store and storage building, tin roof; one-st'y brick extension; cost, $3,100; owner, A. Schulz, premises; architect, Fr. Holmberg, 161 Broadway.

Chicago, Ill.—Schuttler & Holtz, two-st'y addition, 89-95 Clinton St.; cost, $5,000.

John Esker, two-st'y addition, 4410 Goodspeed St.; cost, $1,200.

J. Noonan, two st'y addition, 4430 Atlantic St.; cost, $1,500.

Carl Furst, two-st'y addition, 324 Hastings St.; cost, $2,000.

J. Petel, three-st'y addition, 735 Sixty-fifth St.; cost, $3,500.

F. H. Baum, one-st'y addition, 5023 Jefferson St.; cost, $2,500.

Eckart & Swan, three-st'y addition, 207-209 Madison St.; cost, $5,000.

N. P. Lind, one-st'y addition, 959 Gross St.; cost, $1,200.

Neiman Neimhardt & Co., three-st'y addition, 304-306 North Wood St.; cost, $2,000.

Joseph A. Schmidt, one-st'y addition, 5638 School St.; cost, $1,000.

M. Burnet, two-st'y addition, 5417 Atlantic St.; cost, $1,500.

F. S. Rockwood, one-st'y addition, 219-221 Indiana St.; cost, $3,000.

George Hankins, one-st'y addition, 221-223 Twenty-ninth St.; cost, $6,000.

John Corring, one-st'y addition, 360 May St.; cost, $3,000.

Grand Rapids, Mich.—Three-st'y brick addition to furniture factory; cost, $6,000; owner, Geo. W. Gay; contractors, Hoskins & Maunder; architect, W. G. Robinson.

Minneapolis, Minn. — L. Hayes, rebuilding of theatre, 18-22 Washington Ave., n; cost, $35,000.

New York, N. Y. — *Park Ave., Nos.* 567-569, five-st'y brick flat (Lonsdale flats), to have repairs where damaged by fire; cost, $10,800; owner, Edward J. Woolsey, 8 Lexington Ave.; architects, J. W. Clark & Co., 119 North St.

Philadelphia, Pa.—*Paul and Unity Sts.*, Frankford Baptist Church, alterations, etc.; cost, $4,000.

Somerset St., n s, e Boudinot St., alteration of shop to dwell.; owner, Thomas Buckley, cor. Sixth and Somerset Sts.

South Fifth St., No. 129, front alteration; contractor, W. R. Dougherty, 1604 Sansom St.

Market St., Nos. 118-120, two new fronts and interior alterations; contractor, W. W. Bogorth, 120 South Second St.

North Third St., No. 347, one-st'y addition to fac-

(*Continued on page* xix.)

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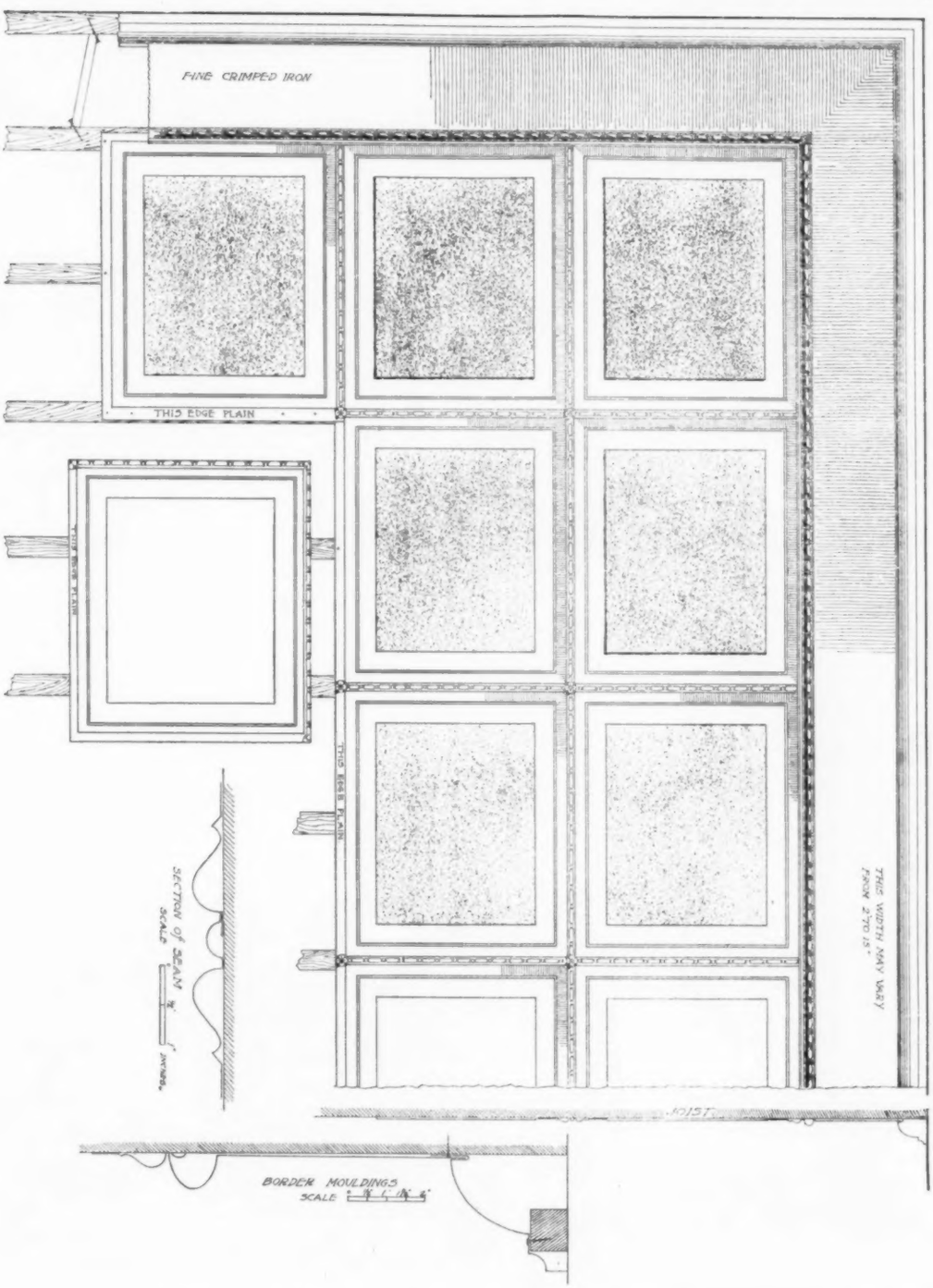

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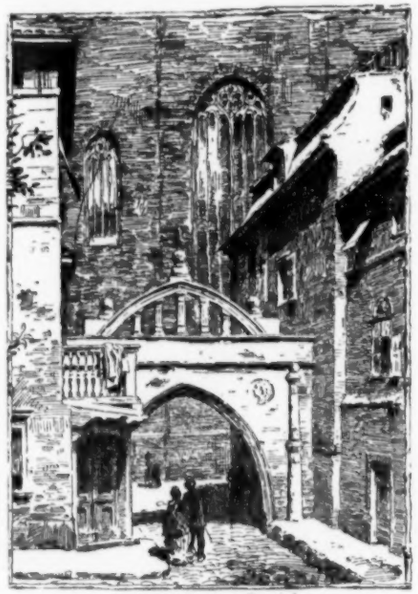
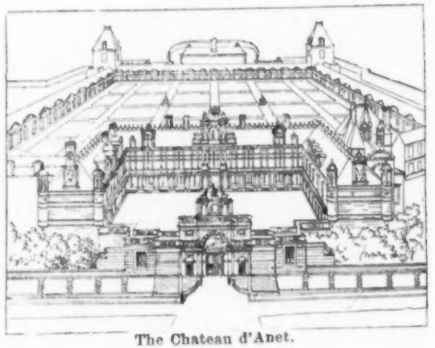
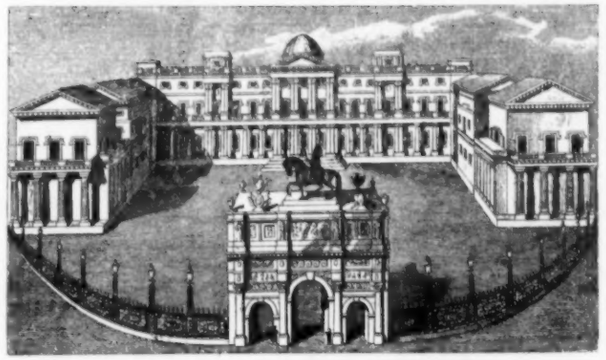


A Gateway at Dantzic.

Burgos.



The Chateau d'Anet.



The "Marble Arch" when in front of Buckingham Palace, London.

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Reserve for Unadjusted Losses and other Liabilities	**326,897.81**
Surplus over all Liabilities	**2,599 783.06**

BUILDING INTELLIGENCE.

tory; contractor, Thomas McCarty, 1935 North Seventh St.

Wallace St., No. 3606, new front and back building; contractor, W. J. McCloskey, 3964 Wallace St.

Second St., s e cor. Somerset St., one-st'y addition to back building; owner, Jas. Barker, on premises.

Ridge Ave., e s, n Paoli Ave., one-st'y addition to smith-shop.

Market St., No. 803, store fronts; contractor, David S. Gendall, 2219 Chestnut St.

Marshall St., No. 1527, new front; contractor, C. D. Brownback, 1529 North Sixth St.

North Second St., No. 619, front and interior alterations; contractor, John Detless, 721 North Thirteenth St.

Cumberland St., e Armat St., one-st'y addition to electric-light building; owners, Germantown Electric Light Co., on premises.

Haverford Ave., No. 4117, back building; contractors, Charles Smith & Son, 4215 Haverford Ave.

Eleventh St., n e cor. Fitzwater St., two-st'y addition to storehouse; contractor, Thomas M. Seeds, Jr., 203 Race St.

South Eighth St., Nos. 1606-1610, two-st'y front building to stable; contractor, E. T. Forder, 3700 South Broad St.

Eleventh St., s e cor. Federal St., front alteration; contractor, M. J. Ford, 1630 South Seventh St.

Bainbridge St., No. 805, front and interior alterations; contractor, Morris Wilkin, 134 Craven St.

Ludlow St., No. 5538, back building; owner, Mrs. A. Rudin, on premises.

Catharine St., No. 317, two-st'y back building; contractor, John Shorter, 830 Wharton St.

Columbia Ave., Nos. 1716-1718, interior alterations; contractor, G. C. Dietrich, 1938 Berks St.

Fairmount Ave., No. 2012, interior and exterior alterations; contractors, Sterling & Danley, 2209 Van Pelt St.

Passyunk Ave., No. 943, new front; contractor, Morris Schwenever, 731 Cherry St.

Bambridge St., No. 1114, two-st'y back building; contractor, Jas. H. Faries, 710 Florida St.

Spring Garden St., No. 2016, front, rear and interior alterations; contractor, J. R. Wiggins, 1536 Seybert St.

Frankford Ave., No. 2208, alteration to store and dwell.; contractor, G. G. Murray, Bustleton.

Spring Garden St., No. 4020, interior alteration; contractors, Sharpless & Watt, 1522 Chestnut St.

Palethorp St., No. 1921, two-st'y back building; contractor, Robert Craig, 2821 North Sixth St.

Carnac St., No. 1503, new front to stable; contractors, Burkeitt & Shugart, 634 Tasker St.

Park Ave., No. 1719, interior alteration in dwell.; contractors, Sharpless & Watts, 1522 Chestnut St.

Olney St., n Clarkson St., one-st'y addition to back building; owner, Wm. Angermier, Crothers n Clarkson St.

Ridge Ave., No. 3353, one-st'y addition to back building; owner, James H. Ben, 3351 Ridge Ave.

Fortieth St., s s, s Ludlow St., interior alteration and three-st'y back building; contractor, D. F. Maginn, 57 Bell St.

Etting St., No. 2003, one-st'y back building; owners, Henderson & Co., 2003 Porcelain St.

Maryland St., No. 2213, three-st'y back building; contractor, M. Schmid, 639 North Sixth St.

Mt. Vernon St., No. 1626, bay window; contractor, A. M. Walkup, 825 Filbert St.

Melrose St., No. 4857, addition of back building; owner, Allen Waters, on premises.

Franklin St., No. 4928, one-st'y addition on stable; owner, John Johnson, on premises.

Wishart St., w s, s Allegheny Ave., alteration of stable to dwell.; owner, David Magee, Emerald and Wishart Sts.

Kensington Ave., No. 2325, two-st'y front alteration and kitchen and back building; contractor, E. Molloy, 2855 Kensington Ave.

Hope St., Nos. 1921-23-25, three alterations; contractor, Joseph Barker, 2639 Germantown Ave.

Seventeenth St. and connecting railroad, on-st'y addition to factory; owners, American Pipe Manufacturing Co., 1326 Chestnut St.

Longshore St., s w cor. Dittman St., two-st'y addition to school-house; contractor, M. McManus, Second and Wood Sts.

West Chester, Pa. — H. C. Baldwin is building a large addition to his planing-mill.

APARTMENT-HOUSES.

Brooklyn, N. Y. — *Madison St.*, n s, 200′ w Summer Ave., four-st'y brick apartment-house, tin roof; cost, $10,000; owner, Thomas Monahan, 633 Douglass St.; architect, W. M. Coots, 26 Court St.

Van Siclen Ave., w s, 150′ s Fulton St., 2 four-st'y brick flats, tin roofs; cost, $18,000; owner, F. E. Hart, Atlantic and Van Siclen Aves.; architect, W. M. Coots, 26 Court St.

Chicago, Ill. — George Richard, two-st'y flats, 5578 Center Ave.; cost, $2,000.

S. Ostrowski, two-st'y flats, Paulina and Fifty-first Sts.; cost, $1,500.

F. C. Heath, 2 four-st'y flats, 165-197 West Nineteenth St.; cost, $14,000.

H. Chaunon, two-st'y flat and barn, 520-522 Wells St.; cost, $2,000.

A. E. Olsen, 2 two-st'y flats, 3121-3123 Shields Ave.; cost, $6,000.

August Hofeldt, three-st'y flats, 469 North Wood St.; cost, $3,200.

N. A. Bader, two-st'y flats, 6735 Green St.; cost, $1,600.

D. Page, two-st'y flats, 5229 Winter St.; cost, $1,800.

C. Rheinwald, two-st'y flats, 5322 Aberdeen St.; cost, $1,400.

August Nordde, two-st'y flats, 4850 Page St.; cost, $1,800.

George Holmgren, two-st'y flats, 5317 Aberdeen St.; cost, $1,200.

C. C. Turns, two-st'y flats, 6607 Peoria St.; cost, $2,000.

F. D. Williams, two-st'y flats, Elizabeth and Sixty-ninth Sts.; cost, $3,100.

A. C. Konell, three-st'y flats, Emerald Ave. and Sixty-eighth St.; cost, $4,600.

James O'Brien, two-st'y flats, 6314 Langley Ave.; cost, $2,100.

C. J. Eden, two-st'y flats, Oglesby and Seventieth Sts.; cost, $3,200.

BUILDING INTELLIGENCE.

Grand Rapids, Mich. — Three-st'y brick veneered block of six flats; cost, $12,000; owner, C. F. Waters; architect, W. G. Robinson.

New York, N. Y. — *St. Mark's Pl., No.* 34, five-st'y brick flat, tin roof; cost, $24,000; owner, August Ruff, 78 East Fourth St.; architects, Kurtzer & Rohle, cor. Third Ave. and Seventh St.

Sixty-eighth St., n s, 100′ w Ninth Ave., 3 five-st'y brick flats, tin roofs; cost, $54,000; owner, Frank E. Wise, 14 East Eighty-seventh St.; architects, A. B. Ogden & Son, 1031 Madison Ave.

Spring St., No. 192, five-st'y brick flat, tin roof; cost, $20,000; owner, August Ruff, 78 East Fourth St.; architects, Kurtzer & Rohl, cor. Third Ave. and Seventh St.

Twenty-seventh St., n s, 368′ w Ninth Ave., 3 five-st'y brick flats, tin roofs; cost, $66,000; owner, Homer J. Beaudet, 427 Mott Ave.; architect, Richard R. Davis, 247 West One Hundred and Twenty-fifth St.

Courtland Ave., e s, 75′ s One Hundred and Fiftieth St., five-st'y brick flat, tin roof; cost, $12,500; owner, John Lutz, 561 Courtland Ave.; architect, Gustav Schwarz, 578 East One Hundred and Fifty-second St.

Ninety-fourth St., n s, 100′ w Ninth Ave., 2 five-st'y brownstone flats; cost, $48,000; builder, F. J. Hillenbrand; architect, Chas. Sidney.

One Hundred and First St., n s, 150′ e Ninth Ave., 2 five-st'y brick and stone flats; cost, $30,000; builders, Spear & Graham; architect, Robert Dixon.

Ninth Ave., s e cor. Eighty-eighth St., 5 six-st'y brick and stone flats; cost, $150,000; owner, John Casey; architect, F. A. Minuth.

Park Ave., s w cor. One Hundred and Fifth St.; 5 five-st'y brownstone flats; cost, $104,000; owner, John Bannon; architect, John C. Burne.

St. Louis, Mo. — Two-st'y brick flats; cost, $7,400; owner, J. E. Dougherty; contractor, C. Dougherty.

CHURCHES.

New York, N. Y. — *Henry St., Nos.* 38-40, three-st'y brick and stone synagogue, peak, tin and copper roof; cost, $58,000; owner, Congregation Schaari Zedik, 65 East One Hundred and Twentieth St., and 335 East Sixty-fifth St.; architects, Fierner & Kohler, 261 Broadway.

FACTORIES.

Jersey City, N. J. — *Orient Ave.*, two-st'y brick factory, tin roof; cost, bet. $5,000 and $6,000; owners and architects, Thomas W. Weathered Sons, West Bergen, N. J.

New York, N. Y. — *Cypress Ave.*, s e cor. One Hundred and Thirty-fourth St., five-st'y brick factory, slate roof; cost, $30,000; owner, Francis Connor, 4 East Forty-second St.; architects, Walgrove & Israels, 99 Nassau St.

Philadelphia, Pa. — *Nineteenth St.*, s e cor. Buttonwood St., four-st'y factory; contractor, George W. Stewart, 2137 North Sixth St.

Washington St., n s, w Twentieth St., two-st'y factory; owner, D. H. Davidson, 2040 Fitzwater St.

Indiana Ave. and Fillmore St., five-st'y factory; contractors, William Steele & Son, 506 Walnut St.

HOTELS.

New York, N. Y. — *Madison Ave.*, s w cor. Eighty-ninth St., seven-st'y brick hotel, tin roof; cost, $165,000; owner and architect, Thomas Graham, 20 East Ninety-first St. and 1268 Madison Ave.

HOUSES.

Ambler, Pa. — Isaac Tyson has taken up a lot at Butler and Reiff Aves. to build a dwell. and sale-stables.

Baltimore, Md. — Richard Stumpf, 15 three-st'y brick dwells., e s Broadway, beg. n e cor. Townsend St.

James V. Pryor, 5 two-st'y brick dwells., e s Hillman St., n Preston St.

Wm. A. Rode, 11 two-st'y brick dwells., w s Streeper St., n Hudson St.; 5 two-st'y brick dwells., n s Hudson St., e Chesapeake St.

Pinning Bros., 9 two-st'y brick dwells., s s Townsend St., bet. Broadway and Bethel Sts.; 8 two-st'y brick dwells., s s Townsend St., bet. Bethel and Bond Sts.

Boston, Mass.—*Branch St.*, near Medway St., Ward 24, frame dwell.; owner, A. Chute; builder, Chute Bros.

Parker Hill Ave., near Hillside St., Ward 22, frame dwell.; owner, C. J. Jacobs; builder, G. M. Schell.

Julian Ave., near Howard Ave., Ward 20, frame dwell., 23′ x 46′; owner, Sarah E. Evans; builder, W. Ballantyne.

Lambert St., No. 13, Ward 21, three-st'y frame dwell., 25′ x 51′; owner, Mrs. H. Worthen; builders, Decker Bros.

Brooklyn, N. Y.—*Sunnyside Ave.*, n s, 150′ e Barbey St., 2 two-st'y frame dwells., tin roofs; cost, $3,000 each; owner, Wm. B. Howard, 166 Liberty Ave.; architect, Wm. B. Howard, Jr., 166 Liberty Ave.

Schenck Ave., w s, 175′ n Arlington Ave., 2 two-st'y frame dwells., tin roofs; cost, $2,750 each; owner and architect, E. R. Tichenor, 447 Gold St.

Eastern Parkway, w s, 50′ w Warwick St., three-st'y frame dwell., tin roof; cost, $4,000; owner, J. Janichen, 256 Warwick St.; architect, Chas. Meins, 97 Sheffield Ave.

Thirty-second St., s s, 100′ w Fifth Ave., 3 two-st'y frame dwells., tin roofs; cost, $4,800; owner, Henry Klee, 386 Fourteenth St.; architects, Young Bros., 129 Forty-third St.

Forty-sixth St., s s, 160′ e Fourth Ave., 2 two-st'y frame dwells., tin roofs; cost, $2,500 each; owner, Thos. Tibbell, Third Ave. and Forty-sixth St.; architect, Thos. Bennett, Third Ave. and Forty-ninth St.

Sackett St., n s, 320′ e Fourth Ave., three-st'y brick dwell., tin roof; cost, $4,500; owner, John Prosser, 685 Sackett St.

Cleveland St., w s, 90′, 210′, 330′ and 450′ s New Lots Road, 4 two-st'y frame dwells., tin roofs; cost, $1,300 each; owner, Adolph Sussman, 63 Hull St.; architect, J. G. Glover, 186 Remsen St.

(*Continued on page* xx.)

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BUILDING INTELLIGENCE.

Weirfield St., n s, 80′ e Evergreen Ave., two-st'y frame dwell., tin roof; cost, $3,000; owner, Annie Herzog, 30 Covert St.; architect, F. B. Langston, 1239 Bedford Ave.

Huron St., s s, 95′ e Franklin St., four-st'y frame dwell., tin roof; cost, $4,000; owner, architect and builder, D. Eggers, 15 Freeman St.

Jackson St., n s, 175′ w Graham Ave., four-st'y frame dwell., tin roof; cost, $4,000; owner, M. Jacobi, 148 Jackson St.; architect, H. Vollweiler, 486 Hart St.

South Fourth St., n s, 25′ w Hooper St., four-st'y brick dwell., tin roof; cost, $9,000; owner, Matthias Beck, 263 Rutledge St.; architect, Th. Engelhardt, 905 Broadway.

Degraw St., n s, 430′ w Nostrand Ave., three-st'y brick dwell., tin roof; cost, $3,500; owner, Patrick Walsh, 752 Prospect Pl.; architect, Peter J. Collins, 67 Claremont Ave.

Wyckoff Ave., w s, 50′ n Himrod St., 2 three-st'y frame dwells., tin roofs; cost, $4,500 each; owners, Dietrich & Reitzenstein, on premises; architects, David Acker & Son, 752 Broadway.

Fourteenth St., n s, 340′ 10½″ w Ninth Ave., 2 two-st'y brick dwells., tin roofs; cost, $4,750 each; owner, C. C. Frith, 471 Fourteenth St.; architect, W. O. Tait, Madison Ave.

Forty-ninth St., n s, 140′ w Fourth Ave., three-st'y frame dwell., tin roof; cost, $3,000; owner, architect and builder, S. Tate, 248 Forty-eighth St.

Henry St., e s, 75′ s Fourth Pl., 2 three-st'y brick dwells., tin roofs; cost, $5,000 each; owner, R. E. Tofling, 235 Hancock St.; architect, H. G. Hawkins, 258 Hart St.

Henry St., e s, 108′ s Fourth Pl., three-st'y brick dwell., tin roof; cost, $5,000; owner, R. E. Tofling, 235 Hancock St.; architect, H. G. Hawkins, 258 Hart St.

Shephard Ave., e s, 270′ s Ridgewood Ave., 6 two-st'y frame dwells., tin roofs; cost, $2,100 each; owner, architect and builder, S. T. Hollister, 106 Barbey St.

Degraw St., s s, 200′ w Von Brunt St., 2 five-st'y brick dwells., tin roofs; cost, $28,000; owner, Rebecca M. Ferry, 78 Third Pl.; architect, John L. Young, 287 Halsey St.

Covert St., n s, 175′ w Evergreen Ave., three-st'y frame dwell., tin roof; cost, $4,000; owner, Wenzel Korb, 364 East One Hundred and Sixth St.; architect, Henry Vollweiler, 486 Hart St.

New York, N. Y.—*Ninety-third St.*, n s, 100′ e Fifth Ave., 6 four-st'y dwell.; cost, $170,000; builder, Walter Reid; architects, A. B. Ogden & Son.

Perry Ave., e s, 300′ s Scott Ave., three-st'y frame dwell., metal roof; cost, $4,000; owner, Fred K. Brandt, 339 East Eighty-fifth St.; architects, Jordan & Gilles, 19 Park Pl.

Eagle Ave., w s, 150′ s One Hundred and Sixty-third St., three-st'y frame dwell., toe-backed tin roof; cost, $5,000; owner, Henry Mellmanny, 18 Hall Pl.; architect, M. J. Garvin, 3311 Third Ave.

Bathgate Ave., w s, 67′ s One Hundred and Eighty-third St., three-st'y frame dwell., peak metallic shingle roof; cost, $5,000; owner, Daniel Kennelly, 2341 Bathgate Ave.; architect, Wm. Guggolz, 2305 Bathgate Ave.

Valentine Ave., e s, 175′ n Southern Boulevard, three st'y frame dwell., peak shingle roof; cost, $5,000; owner, Flora E. Downing, 510 East One Hundred and Sixtieth St.; architect, Chas. C. Churchill, 3433 Third Ave.

Eighty-eighth St., n s, 200′ e Amsterdam Ave., 3 three-st'y Euclid stone dwells.; cost, $45,000; owner, Donnellon Bros.; architect, G. H. Anderson.

Ogontz, Pa.—Percy Madeira, of Philadelphia, is to build a dwell. as soon as the season opens.

Philadelphia, Pa.—*Rockhill St.*, e s, s Cambria St., 2 two-st'y dwells.; owner, Cornelius Kiely, 2823 D St.

Johnson St., s s, w Jefferson St., 2 three-st'y dwells.; contractor, H. G. Schultz, 2633 Germantown Ave.

Old York Road, e Rockland Ave., two-st'y dwell.; contractor, H. G. Schultz, 2633 Germantown Ave.

Patton St., w s, n Wharton St., 2 two-st'y dwells.; owner, A. Wilson, 1928 Tasker St.

Pallas St., e s, n Tasker St., two-st'y dwell.; owner, Michael Whalen, 1225 Snyder Ave.

Cantrell St., s s, e Fourth St., 18 two-st'y dwells.; owner, Wm. J. Ross, 1231 South Twenty-first St.

Jefferson St., s s, e Selig St., 2 two-st'y dwells.; owner, Robert Wright, 20 Bringhurst St.

Barnsell St., w s, n South St., 6 two-st'y dwells.; owner, John Devlin, 2311 Lombard St.

Pierce St., s s, w Twenty-second St., two-st'y dwell.; owner, O. J. Bradley, 2054 McClellan St.

Keystone Ave., w s, n Princeton Ave., 4 two-st'y dwells.; contractors, M. S. Milnor & Co., 4630 Penn St.

Garrett St., n s, w Eighteenth St., 2 two-st'y dwells.; owner, Ames Suplee, 926 South Twelfth St.

Sixth St., w s, s Tasker St., 8 three-st'y dwells.; owners, R. & A. Wilson, 1711 South Twentieth St.

Stafford St., n s, w Morris St., 2 three-st'y dwells., owner, D. P. Brunner, 4820 Morris St.

Westmoreland St., s s, w Thirty-fourth St., 2 three-st'y dwells.; owner, John Dobson, Thirty-third St. and Ridge Ave.

Westmoreland St., n s, w Thirty-fourth St., 2 three-st'y dwells.; owner, John Dobson, Thirty-third St. and Ridge Ave.

Second St., e s, n Chew Ave., two-st'y dwell.; owner, Wm. McKinney, Second St. n Wyoming Ave.

Adams St., n s, e Sixty-sixth St., 3 two-st'y dwells.; owner, J. A. Thelenberg, 332 North Sixty-third-and-one-half St.

Hope St., e s, s Tioga St., two-st'y dwell.; owner, John Pfanstiel, 3451 Hope St

Ash St., n s, w Thompson St., three-st'y dwell.; agent, George F. Little, 4724 School St.

Sergeant St., s s, e Gaul St., two-st'y dwell.; owner, Joshua Bush, 2414 Huntington St.

Cadwallader St., No. 1526, three-st'y dwell.; contractor, J. L. Cresse, 1107 Walnut St.

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BUILDING INTELLIGENCE.

North Twenty-seventh St., No. 2528, two-st'y dwell.; owner, Thos. Auley, 2530 North Twenty-seventh St.

Harold St., n s, w Twenty-sixth St., 2 two-st'y dwells.; owners, Kraba & Strassheim, 2611 Harold St.

Fifteenth St., n Dauphin St., three-st'y dwell.; owner, A. W. Fuss, 1814 North Fifteenth St.

Philadelphia St., e s, n Dauphin St., two-st'y dwell.; owner, A. W. Fuss.

Fifth St., e s, n Venango Ave., 4 two-st'y dwells.; contractor, Samuel Morrison, 3551 North Fifth St.

Roselyn, Pa.—It is expected that six dwells. will be built in the spring.

St. Louis, Mo.—Two-st'y brick dwell.; cost, $3,000; owner, H. Schuepmann; contractor, H. W. Rocklage.

Two-st'y brick dwell.; cost, $4,000; owner, Chas. Meckfessel; contractor, H. W. Rocklage.

Three-st'y brick dwell. and store; cost, $3,500; owner, G. Kuhlmann; contractors, Schepflin & Peterson.

Two-st'y brick dwell.; cost, $2,500; owner, E. Molitore; contractor, H. Sothmann.

Two-st'y brick dwell.; cost, $4,400; owner, J. O. Ingals; contractor, Mr. Mueller.

Two-st'y brick dwell.; cost, $6,000; owner, F. A. Baumgarten; contractor, J. H. Dunlap.

Two-st'y brick dwell.; cost, $5,000; owner, T. V. Thompson; contractor, J. H. Dunlap.

Two-st'y brick dwell.; cost, $7,000; owner, Dr. H. E. Thompson; contractor, F. Paulus.

Two-st'y brick dwell.; cost, $2,600; owner, B. D. Broose; contractors, W. Cornwell & Co.

Two-st'y brick dwell.; cost, $4,880; owner, A. T. Geserick; contractors, Matthews & Schneider.

Two-st'y brick dwell.; cost, $4,000; owner and contractor, Fred Hauss.

Two-st'y brick dwell.; cost, $5,000; owner and contractor, W. Kay.

Two-st'y brick dwell.; cost, $6,000; owner, M. F. Jones; contractors, Paulus & Williamson.

Two-st'y brick dwell.; cost, $3,400; owner, C. P. Cronacher; contractor, F. Dielenheim.

Two two-and-one-half-st'y brick dwells.; cost, $5,300 each; owner, E. H. Coffin; contractor, A. Johnson.

Two-st'y brick dwell. and store; cost, $3,500; owner, B. D. Suebbers; contractor, M. C. Geimer.

Two-st'y brick dwell. and store; cost, $8,000; owners and contractors, Schroer Bros.

Three two-st'y brick dwells.; cost, $5,500; owner and contractor, G. E. A. Knickmeyer.

Two-st'y brick dwell.; cost, $6,000; owner, R. J. Delaus; contractors, Thomsen & Mertz.

Two-st'y brick dwell.; cost, $6,000; owner, E. H. Widdecombe; contractors, A. F. & H. Murch.

Two-and-one-half-st'y brick dwell.; cost, $2,500; owner, W. Eberts; contractor, M. Whippler.

Two-st'y brick dwell.; cost, $3,500; owner, A. C. Kinkead; contractor, J. H. Remmers.

Two-st'y brick double dwell.; cost, $3,000; owner, J. T. Klaiber; contractor, Fred Menke.

BUILDING INTELLIGENCE.

Two-st'y brick dwell.; cost, $25,000; owner, E. C. Sterling; contractor, J. H. Bright.

Two-st'y brick double dwell.; cost, $5,500; owner, Adolph Roeper; contractor, Aug. Ficke.

Three two-st'y brick dwells.; cost, $7,500; owner, Piednoir; contractor, T. M. Dunn.

Two-st'y brick dwell.; cost, $4,250; owner, A. Scannell; contractor, E. Wind.

Two-st'y brick dwell.; cost, $3,000; owner, J. E. Hollman; contractors, Auger & Riedesser.

Two-st'y frame dwell.; cost, $4,000; owner, W. G. Fay; contractor, Gus. Kock.

Two-st'y brick dwell.; cost, $3,100; owner, F. W. Pillman; contractor, W. E. Schubert.

Two-st'y brick dwell.; cost, $3,000; owners and contractors, Chapman & Thursby.

Two-st'y brick dwell.; cost, $3,000; owner, Miss E. Schultz; contractor, C. Freiling.

Two two-st'y brick dwells.; cost, $21,000; owner, A. Griesedieck; contractors, Nicolson Bros.

Four two-st'y brick dwells.; cost, $20,000; owners and contractors, Stewart & Sturgeon R. E. Co.

Three-st'y brick dwell.; cost, $20,000; owner, J. Hogan; contractor, J. Low.

Two-st'y brick dwell.; cost, $5,000; owner, G. W. Gausman; contractor, Wm. Daman.

Two-st'y brick dwell.; cost, $8,000; owner, C. W. Chappell; contractor, H. W. Boone.

Two-st'y brick dwell. and store; cost, $3,800; owner, B. Seim; contractor, Edw. Paulus.

Two-st'y brick dwell.; cost, $3,450; owner, Mrs. E. Harder; contractors, Herbig Bros.

Two-st'y brick dwell.; cost, $8,000; owner, Chas. R. Haase; contractor, J. H. Keefe.

Worcester, Mass.—*Mills St.*, three-st'y frame dwell.; owner and contractor, C. A. Vaughn.

Auburn Road, 2 one-st'y frame dwells.; owner, J. S. Perry; contractor, W. O. Burns.

Newbury St., one-st'y frame dwell.; owner, John F. Griffin; contractor, C. H. Hubbard.

Dewey St., frame dwell.; owner, F. T. Schofield; contract not let; architects, Patstone & Lincoln.

OFFICE-BUILDINGS.

New York, N. Y.—*Nineteenth St.*, near Broadway, eight-st'y office-building; builder, Wm. F. Havemeyer; architects, Brunna & Tryon.

SCHOOL-HOUSES.

New York, N. Y.—*Mulberry St.*, n e cor. Bayard St., five-st'y brick school, brick and gravel roof; cost, $175,000; owner, City of New York, City Hall, New York; architect, Geo. W. Debevoise, 146 Grand St.

Sixty-seventh St., n s, 113′ e First Ave., one-st'y brick school, tin and gravel roof; cost, $15,000; owner, R. T. Auchmutz, 61 University Pl.; architect, H. J. Hardenburgh, 10 West Twenty-third St.

STABLES.

New York, N. Y.—*West Forty-first St., Nos.* 530-534, five-st'y brick stable, tin roof; cost, $50,000; owner, Valentine Loewer, 553 West Forty-first St.; architect, Louis F. Heinecke, 62 Bowery.

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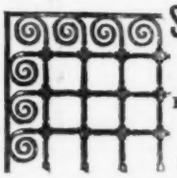

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BUILDING INTELLIGENCE.

Lincoln Ave., w s, 50′ n One Hundred and Thirty-fifth St., four-st'y brick livery stable; owner, James Reilly; architect, R. E. Rogers.

Ogontz, Pa.— W. L. Elkins will build fine stables on his property. Jos. P. Truitt will also build costly stables.

Philadelphia, Pa. — *Washington St.*, s s, s Muskgrove St., one-st'y stable; contractor, Howard Rue, 5259 Adams St.

Palethorp St., No. 2412, two-st'y stable; owner, B. Shultz, 2411 North Second St.

Sylvan St., n s, w Cambridge St., one-st'y stable; contractor, Jos. A. Hand, Holmesburg.

Baker St., No. 622, two-st'y stable; owner, Adam W. South, 717 South Seventh St.

Sedgeley Ave., w Twenty-fifth St., two-st'y stable and office; contractor, D. Pancoast, High St., Germantown.

Warren St., No. 4111, two-st'y stable; contractor, J. F. Colbourn, 731 North Forty-second St.

County Line, s s, w York Road, two-st'y stable; owner, W. H. Magargal, Oak Lane, Pa.

STORES.

Brooklyn, N. Y.—*Seventh Ave.*, s e cor. First St., and *Seventh Ave.*, n e cor. Second St., 2 five-st'y brick stores and dwells., tin and tile roofs; cost, $18,000 each; owner, J. E. Rogers, 1650 Madison Ave., New York City; architect, John J. Deery, 280 Broadway, New York City.

Seventh Ave., e s, 25′ s First St., 6 four-st'y brick stores and dwells., tin and tile roofs; cost, $12,000 each; owner, Joseph E. Rogers, 1650 Madison Ave., New York City; architect, John J. Deery, 280 Broadway, New York City.

Shaffer St., s s, 200′ w Bushwick Ave., four-st'y frame store and dwell., tin roof; cost, $6,000; owner, M. Bossert, Sumner Ave , near Pulaski St.; architects, D. Acker & Son, Broadway and Flushing Ave.

Metropolitan Ave., n s, 102′ e Olive St., three-st'y frame store and dwell., tin roof; cost, $4,000; owner, Adam Wilhelm, next to premises; architect, Henry Vollweiler, 486 Hart St.

Macon St., n w cor. Ralph Ave., four-st'y brick store and dwell., tin roof; cost, $10,000; owners, N. H. & B. C. Raymond, 619 Baltic St.; architect, N. H. Raymond, 619 Baltic St.

Colyer St., s w cor. Lorimer St., four-st'y frame store and dwell., tin roof; cost, $7,000; owner, John Bopp, 156 Colyer St.; architect, Th. Engelhardt, 905 Broadway.

Ninth St., s e cor. Second Ave., 3 four-st'y brick stores and dwells., tin roofs; cost, $16,000; owner, M. Fitzsimmons, Ninth St. near Second Ave., architect, Charles Roberts, on premises.

BUILDING INTELLIGENCE.

New York, N. Y.—*East Tenth St., Nos.* 43, 45 and 47, 2 six-st'y brick, stone, iron and terra-cotta store-buildings; cost, $100,000; owners, L. Sachs & Bros.; architect, Richard Berger.

Duane St., Nos. 160-162, six-st'y brick store, tin roof; cost, $75,000; owner, Mrs. Margaret C. Wallace, 21 East Thirty-eighth St.; architect, S. A. Warner, 132 Broadway.

Philadelphia, Pa.—*Herman St.*, s s, e Thirtieth St., two-st'y store and hall; contractor, Louis Paul, 2307 North Thirtieth St.

WAREHOUSES.

New York, N. Y.— *Thompson St., Nos.* 91-93, seven-st'y warehouse; cost, $70,000; builders, Horgan & Slattery.

Worcester, Mass. — *West Boylston St.*, two-st'y frame storage house; owners and builders, Norton Emery Wheel Co.

MISCELLANEOUS.

Ambler, Pa.—J. Watson Craft is putting up a large two-st'y building, to be occupied by the Wissahickon Fire Company.

Grand Rapids, Mich. — Three-st'y brick block, Pearl St., gravel roof; owners, Grand Rapids Furniture Co.; architect, W. G. Robinson.

New York, N. Y. — *Madison St., No.* 59, two-st'y brick and stone club house; cost, $20,000; owner, Second Assembly District Association of Tammany Hall; architect, I. S. O'Meara.

East Fourteenth St., Nos. 120-122, six-st'y stone building; owners, Ottinger & Korn; architect, Alfred Zucker.

Philadelphia, Pa. — *Sansom St., No.* 3715, shop; owner, R. M. Hunter, 3710 Sansom St.

Belmont Ave., No. 1300, engine-room; contractors, C. Kinsler & Son, 938 Belmont Ave.

Twenty-first St., s w cor. Allegheny Ave., two foundries; owners, Bureau Bros.; contractor, Arthur Hindle, 1522 North Twenty-first St.

Fifty-second St., w s, n Lancaster Ave., electrical building; contractor, Thos. H. Burrows, 5127 Kershaw Ave.

The Board of Building Inspectors has been asked to take action against a property owner. They decided to let individuals bring their own suits.

Ridge Ave., e s, s Crawford St., one-st'y boiler-house; owners, John and James Dobson, Falls of Schuylkill.

Westminster Ave., No. 5724, one-st'y kitchen; owner, Andrew Orr, 5724 Westminster Ave.

Thirtieth St., w s, s Walnut St., coal shed; contractor, A. A. Campbell.

Charlotta St., w s, s Poplar St., three-st'y ice machine house; contractor, Chas. Auchter, 1523 North Twenty-seventh St.

Eighth St., e s, n Thompson St., four-st'y back building; contractors, J. E. & A. L. Pennock, 305 Walnut St.

Eighth St., n w cor. Parrish St., one-st'y back building; owners, Baurman & Leeds, premises.

Market St., n s, w Twenty-seventh St., three-st'y smoke house; contractor, Porter Thompson, 2037 Filbert St.

East Clearfield St., No. 2019, one-st'y kitchen; owner, Richard Zellar, on premises.

American St., s e cor. Cambria St., three-st'y office; owner, T. W. Smaltz, 1545 Hutchinson St.

Coral St., No. 2622, two-st'y shop; owner, John Harley, 2666 Coral St.

St. Louis, Mo. — Four-st'y brick stock house; cost, $17,000; owners, St. Louis Brewing Co.; contractor, J. Schenck.

Two-st'y brick stock house; cost, $4,900; owner, St. Louis Brewing Co.; contractor, J. Schenck.

PROPOSALS.

February 24, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M., on the 17th day of March, 1891, for all the labor and material, and fixing in place complete, the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Court-house, Post-office, etc., building at Augusta, Ga., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Augusta, Ga. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. . Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-pressure, Return-circulation, Steam-heating and Ventilating Apparatus for the United States Court-house, Post-office, etc., building at Augusta, Ga.," and addressed to JAS. H. WINDRIM, Supervising Architect. 793

February 24, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 18th day of March, 1891, for all the labor and material required for the approaches to the United States Court-house, Post-office and Custom-house at Vicksburg, Miss., in accordance with the drawing and specification, copies of which may be had on application at this office or the office of the Superintendent at Vicksburg, Miss. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time herein stated for opening the same; also, all bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Approaches to the United States Court-house, Post-office and Custom-house at Vicksburg, Miss.," and addressed to JAS. H. WINDRIM, Supervising Architect. 793

February 11, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 10th day of March, 1891, for all the labor and materials required for all the joiner's work, wood-flooring, hardware, glazing, painting and polishing, and marble-work for the United States Post-office, etc., building at Dayton, O., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Dayton, O. Each bid must be accompanied by a certified check for $300. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not

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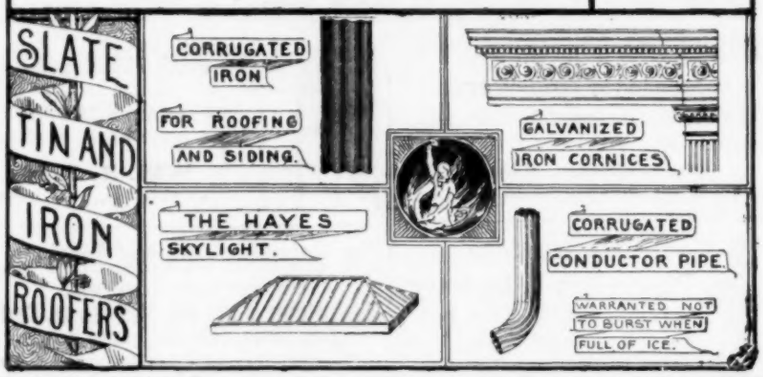

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PROPOSALS.

February 11, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 9th day of March, 1891, for all the labor and materials required for the stone and brick work of the superstructure of the United States Post-office, Court-house, etc., building at Troy, N. Y., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Troy, N. Y. Each bid must be accompanied by a certified check for $1,000. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in an envelope sealed and marked "Proposal for the Stone and Brick Work of the Superstructure of the United States Post-office, Court-house, etc., building at Troy, N. Y.," and addressed to JAS. H. WINDRIM, Supervising Architect. 792

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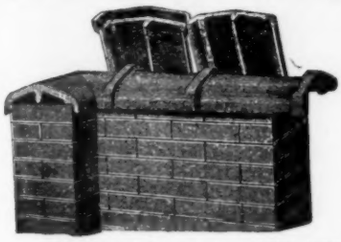

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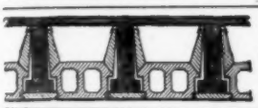

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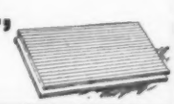

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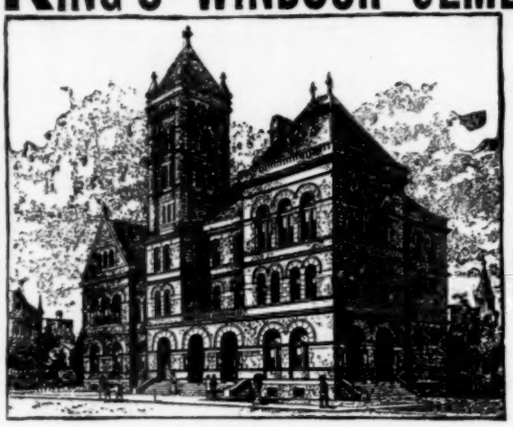

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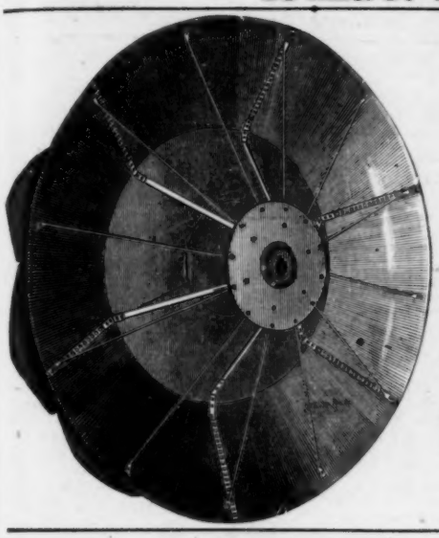

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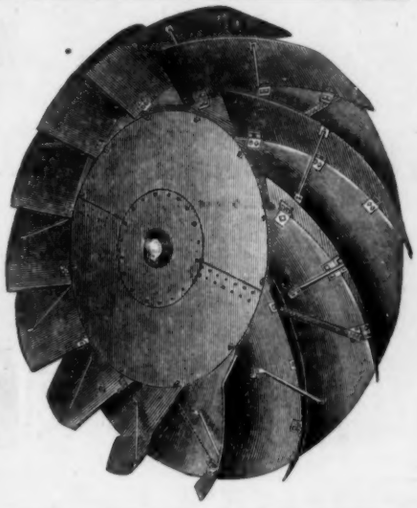

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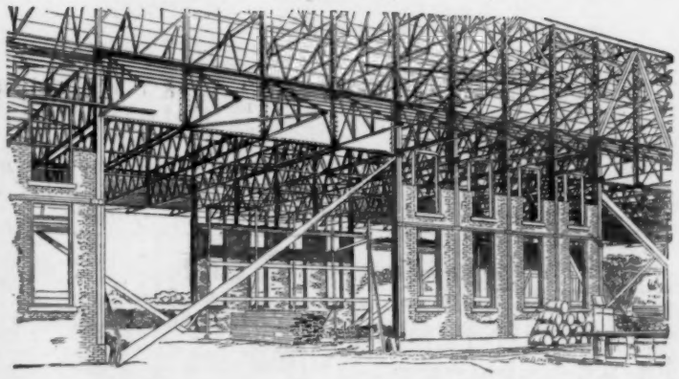

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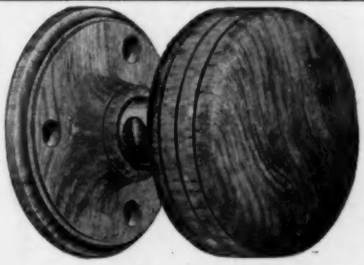

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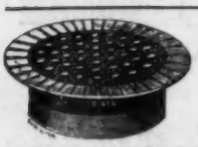

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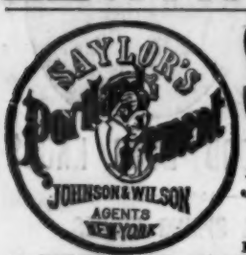

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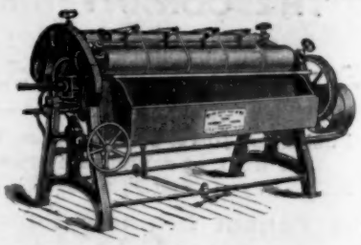

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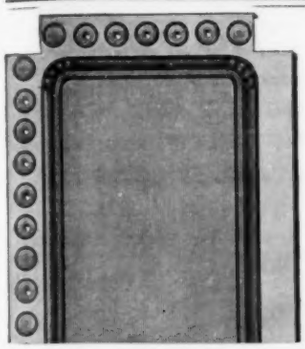

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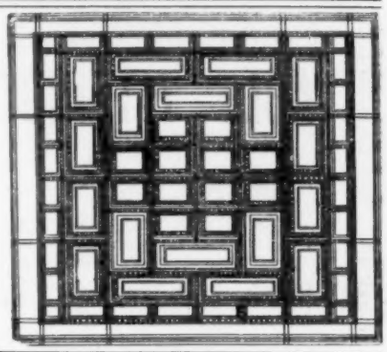

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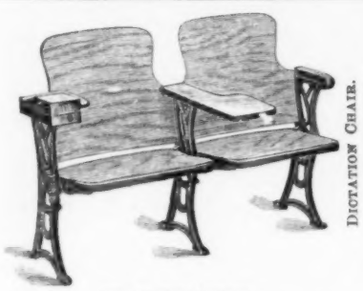

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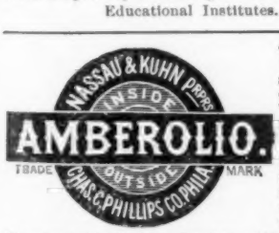

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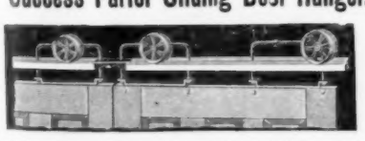

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" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 40 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	@ 2 25	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ M	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	(30" $35 @ 40
Cedar, split ₱ M	@	@	*Not sold.*	24" 8 @ 21
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	(20" 35 @ 14
Cypress. Split....7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft.	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Commo	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	1 @ 1 25
Chestnut "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. (*First Qual.*)				
Ash [*Kiln dried.*]	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 55 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ₱ lb	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	80 00 @ 120 00	55 00 @ 100 00	50 00 @ 17 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	50 @ 45 00

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Jersey	5 00 @ 6 00	Bay State Hard 8 00 @ 9 00		" @ 7 0
Long Island	6 00 @ 6 25	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Salmon @ 5 00
Up River		Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 00
Haverstraw Bay 2nd	6 00 @ 6 25	Philadelphia 40 00 @ 45 00		Light Stretchers @ 10 00
" 1st	6 25 @ 6 50	Philla. mould 50 00 @ 80 00		Medium " @ 12 00
Hollow	@ 13 00		15 00 @ 27 00	Red " @ 13 00
Fronts			65 00 @ 350 00	Dark " @ 13 00
Croton, Brown	@ 13 00		@ 55 00	Pressed 18 00 @ 20 00
" dark	@ 14 00	Anderson 14 00 @ 32 00	45 00 @ 50 00	Best Paving @ 14 00
" red	@ 14 00		45 00	Second " @ 13 00
Chicago pressed (Anderson)			25 00	Third " @ 12 00
Chicago Moulded			60 00 @ 100 00	
Baltimore	37 00 @ 41 00		30	Dom. @ 6
Philadelphia	23 00 @ 24 00		35	@ 8
Trenton	22 00 @ 23 00		55 00 @ 65 00	
Milwaukee				
Moulded:			@ 100 00	
Glens Falls Red Pressed	@ 37 00		@ 120 00	
" " Buff	@ 30 00			
" " Moulded Red & Buff	45 00 @ 70 00			
Enamelled: *Imp.*				
Enamelled (edge.)	85 00 @ 100 00			
Enamelled (edge and end)	90 00 @ 115 00			
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Rosendale Cement	1 10 @ 1 25	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co 2 60 @ 3 00	1 05 @ 1 30	S S & Co 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" (Burham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Josson
" " (Lagerdofer)		2 55 @ 3 0	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not Sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	11 50	9 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime
Hydraulic Lime	@ 1 45	@ 1 35		25 @ 30 $ bush
Chicago Lime in bulk		St. ohn 1 00	55 @	White Mass
Wisconsin "			60 @	1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 90	@ 1 05	*Not sold.*	1 00 @ 1 00
Rockland and Rockport, finish	@ 1 10	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	*Not sold.*
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	*Not sold*
State, finishing "	@ 1 05	*Not sold.*	*Not sold.*	1 50 @ 2 25
Plaster of Paris (calcined.)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 75 @ 2 50
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	20 @ 25
Hair (Cattle) $ bush	16 @ 18	25 @ 30	30 @ 25	30 @ 32
" (Goat)	20 @ 22	@ 30	30 @ 55	@ 1 50
Sand, $ load	1 00 @ 1 25	1 75 @ 1 90	@ 60	
STONE. ($ cubic foot, rough.)				55 @ 65
Granite: (Maine)	45 @ 1 25	@ 60	50 @	
Limestone:	@ 1 00	95 @ 1 00	55 @ 55	75 @ 90
Bedford			35 @ 60	Richmond
Joliet			@ 1 00	*5 @ 1 50
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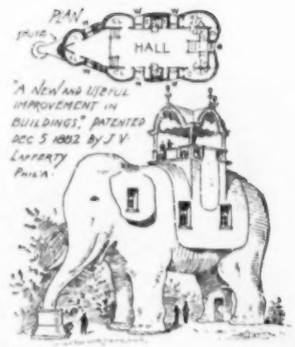

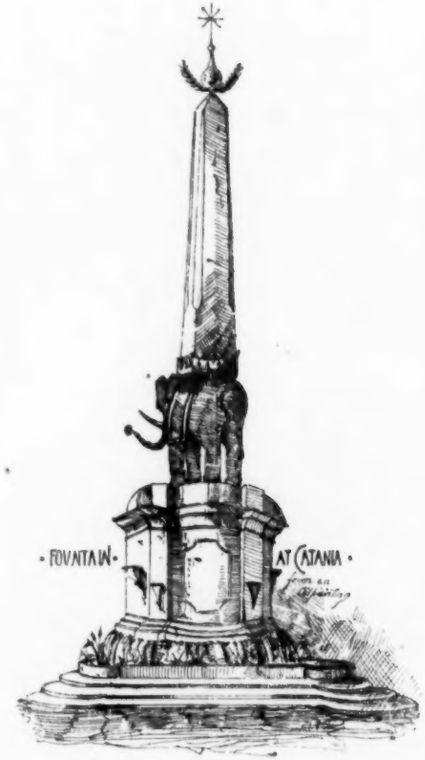

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Black, brown, buff ℔ lb.	@ 2½			
Colorific ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken 1 45 @ 2 50
Rubble	@	1 25 @ 1 50	8 50 @	
Bluestone: (℔ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	75	50 @ 1 00	37 @ 50
Sandstone,				
Longmeadow	@ 80	80 @ 90		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle, English	@ 1 05	@ 1 05		95 @ 1
Corse Hill (Scotch)	1 05	1 05		
Marble (℔ *cu. ft.*)				
Lee, Mass.	@	1 75 @ 2 50	*Not sold.*	2 00 @ 2 50
Rutland, white and Blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	350 @ 6 00	1 70 @ 3 00
Glens Falls, black	@		*Not sold.*	4 00 @ 4 50
Italian, blue-veined	@		@ 4 40	2 50 @ 2 75
" Sienna	@		*Not sold.*	@ 5 00
Tennessee, red	@		@ 4 40	4 00 @ 6 00
" Knoxville	@		@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@		*Not sold.*	2 00 @ 3 00
Vermont, white	@		3 50 @ 6 00	2 25 @ 3 00
Slate; Roofing (℔ *square*)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 80 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	10 00 @ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" red	@	@	6 25 @ 6 85	3 25 @ 4 00
" black, Lehigh	4 25 @ 4 75	@	7 30 @ 8 00	4 00 @ 4 65
" " Chapmans	@	@	6 00 @ 9 00	5 50 @ 8 00
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	*Not sold.*	@ 25 00
Tiles, Am. ℔ M	@	@		6 00 @ 6 75
N. Peach Bottom, warranted unfading	@	@		
PAINTS. (*In oil,* ℔ *lb.*)				
White lead, Am.	7 @ 7½	7½ @ 7½	6½ @ 7	@ 7½
" Zinc, "	5 @ 8½	7 @ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	7½ @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermillion	65 @ 70	75 @ 80 dry	65 @ 68	Eng. 6½ @ 76
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	53 @ 56	56 @ 57	57 @ 60	@ 60
" " boiled (℔ gal.)	56 @ 59	59 @ 60	60 @ 63	@ 63
Turpentine (℔ gal.)	41 @ 42	45 @ 46	51 @ 51	@ 44
Varnish, coach (℔ gal.)		1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac	2 @	2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	@	2 @ 4	02½ @	2 @ 2½
Whiting } dry	75 @ 1 00	1 @ 1½	1 @ 1½	½ @ 1
Paris white, (Eng.,) } dry	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am. } dry	54 @ 6	@ 7½	6½ @ 7	@ 7½
Sienna (burnt) } dry	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber. } dry	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@ 2 20	2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 30	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 3 50	@ 2 75	@ 2 60
Lath	@ 4 85		@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4"x 4" (℔ doz. pairs.)	1 00	1 20	@ 90	2 90 (all kinds.) @ 90
Plain	@ 1 50	@ 1 75	*Not sold.*	1 35 @ 2 00
Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Acorn, Japanned	@ 65	plain 1 65	*Not sold.*	48 50
Ball Tip, Boston Finish (℔ pair.)	@ 1 90	@ 10	2 00 @ 3 25	@ 1 25
Bronze metal	@ 10		@ 12	@ 1 00
Brass (for cupboards)				@ 35
Ebony				37 @ 1 00
Apple wood				
Knobs: (℔ *Set.*)	@ 8	@ 8	8 @ 10	@ 08
Mineral, best	@ 50	@ 75	65 @ 80	*Not sold.*
Lava	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Hematite	@ 30	@ 10	25 @ 30	@ 25
Porcelain	*Not sold*	@ 50	*Not sold.*	1 60 2 50
Glass, solid	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Glass, silvered	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Bronze metal	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Brass		@ 8	13 @ 16	13½ @ 16
Solder:		@ 7½	7	@ 6½
Sheet Lead			6½	6 @ 6
Lead Pipe				
Iron:	3 @ 3½	@ 3 1-10	3 @	@ 2 8-10
I-Beams, up to and including 30 ft.			3.20 @ 3 70	@ 2 8-10
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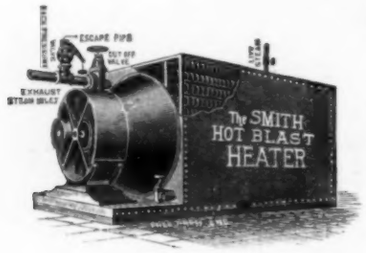

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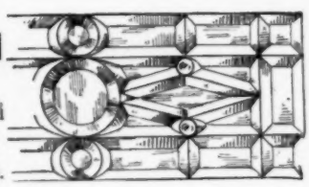

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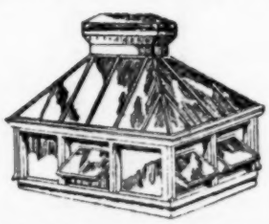

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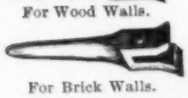

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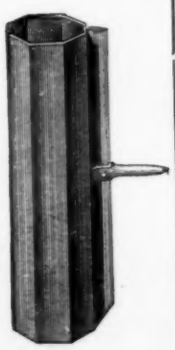

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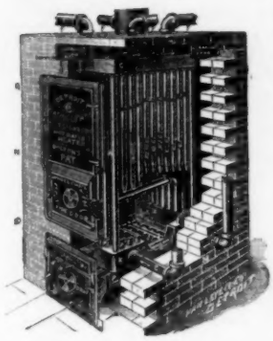

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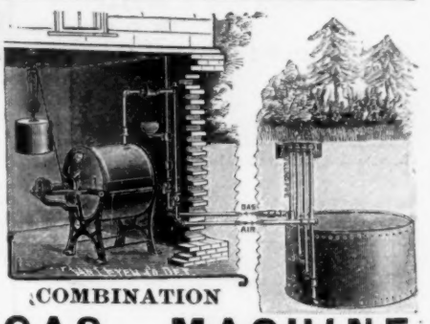

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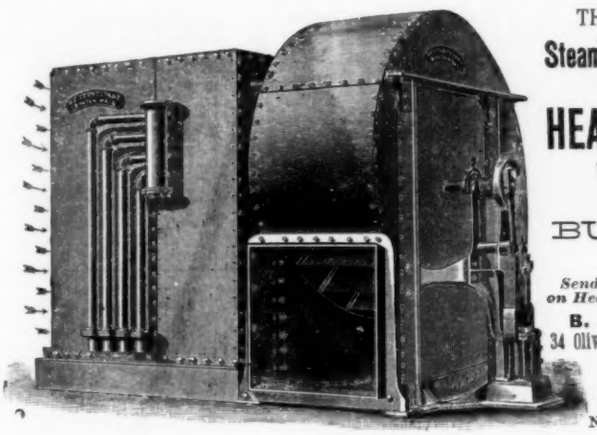

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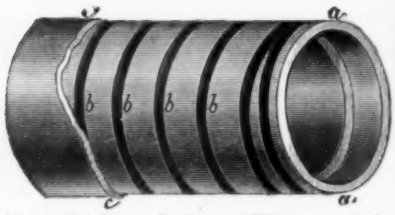

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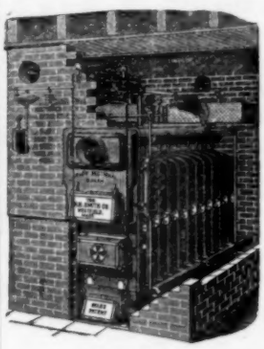

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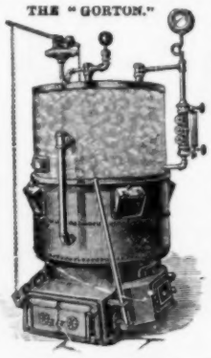

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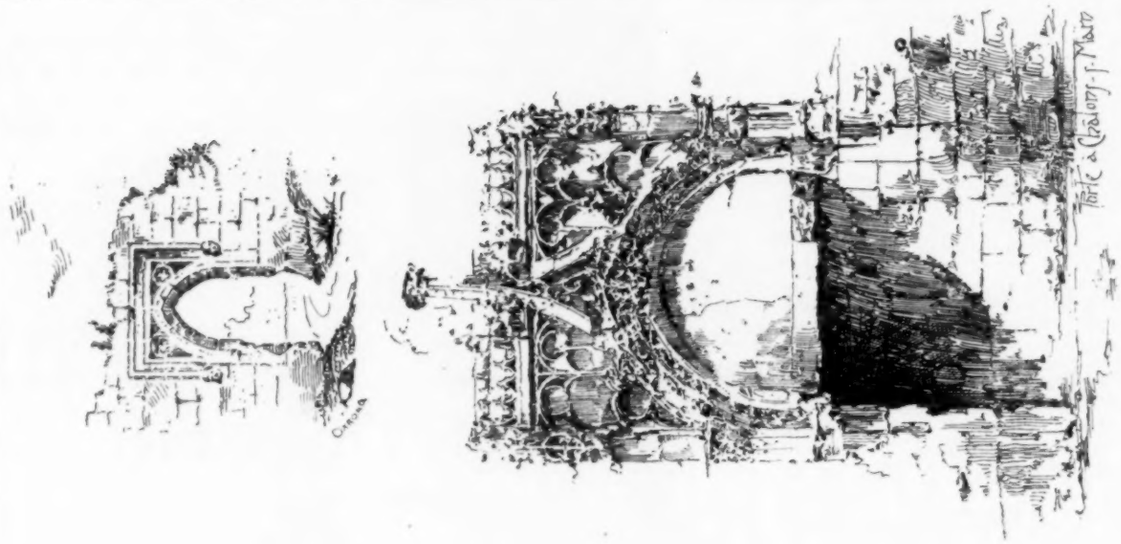

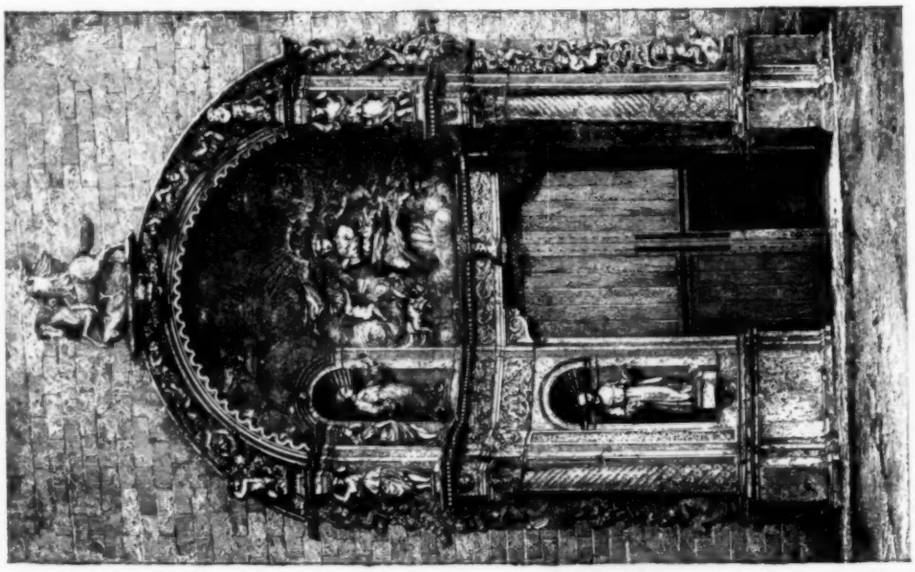

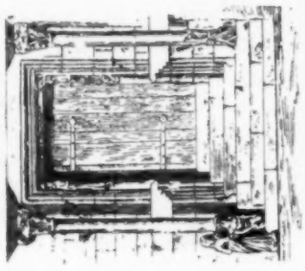

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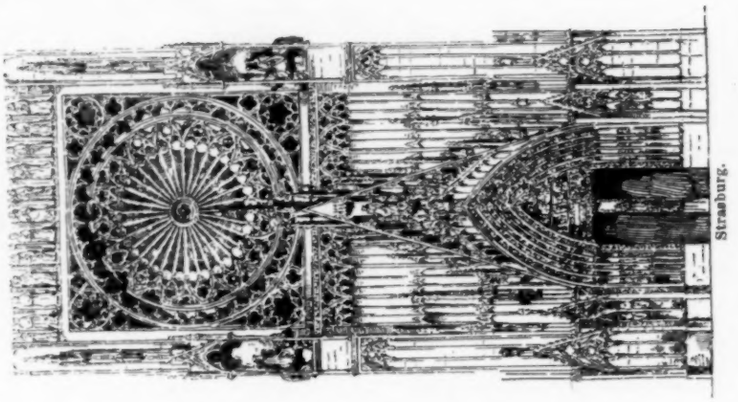

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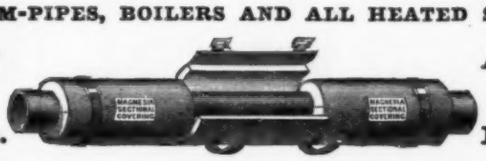

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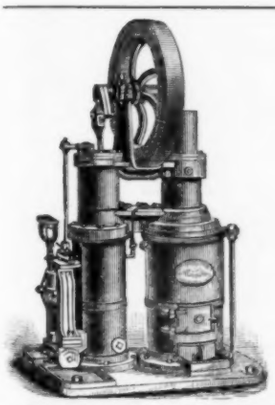

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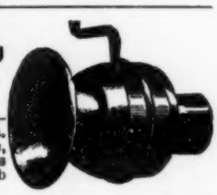

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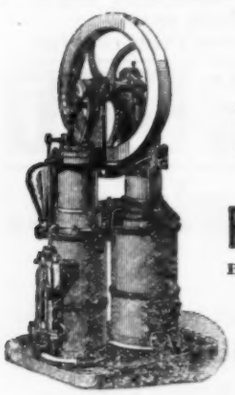

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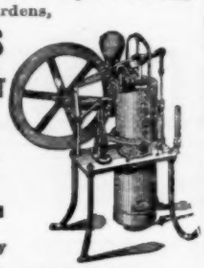

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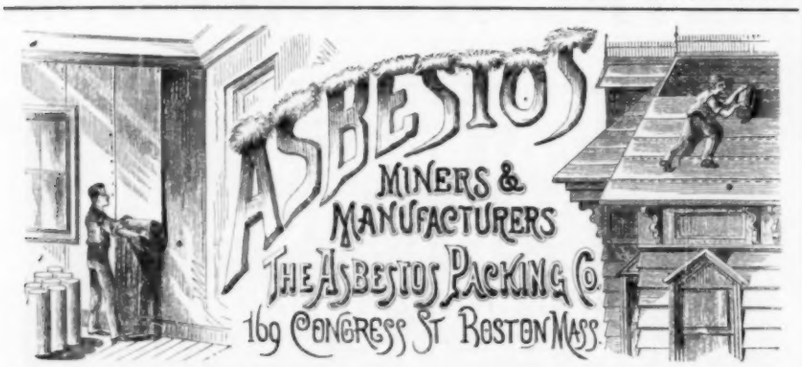

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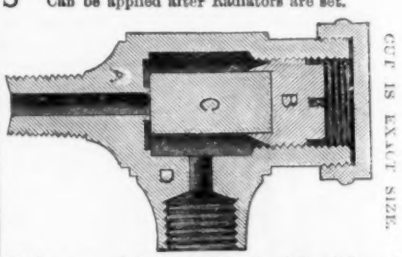

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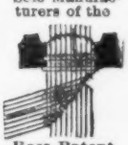

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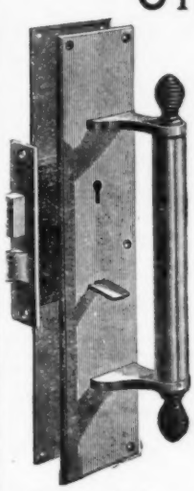

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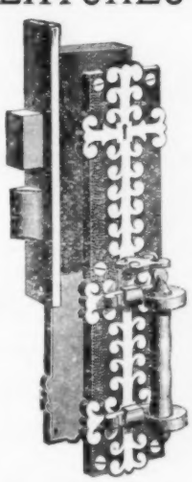

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The American Architect and Building News

IS PUBLISHED EVERY SATURDAY BY

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211 Tremont St., Boston, Mass.

For the American Architect and Building News Co.

Advance Subscription Rates.

Regular Edition, $6.00 per year; six months, $3.50.
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WANTED.

POSITION. — Wanted, position by a good architectural draughtsmen; can give good references. Address H. W. Simpson, New Berne, N. C. 793

WANTED.

CATALOGUES. — W. J. East, architect, Westinghouse Building, Pittsburgh, Pa., would be pleased to receive trade circulars, catalogues, samples, etc. 793

WANTED.

POSITION. — Wanted, permanent position by a young English draughtsman; five years' experience in general office-work. Address "F. J. W.," 413 St. Paul's Street, Baltimore, Md. 793

WANTED.

DRAUGHTSMAN. — A competent architectural draughtsman having experience in Eastern offices and well up in artistic design can obtain a steady position and good pay by addressing "S.," care *American Architect*, Tremont Street, Boston. 793

WANTED.

DESIGNER. — Wanted, a first-class decorative designer; one thoroughly versed in the various styles and a perfect colorist; send sketches and state salary. Address W. P. Nelson & Co., 193 Wabash Avenue, Chicago, Ill. 794

WANTED.

CATALOGUES. — Having been burned out, wish catalogues and samples of everything pertaining to building sent us at once. Address G. W. & F. D. Orff, 504 Kasota Block, Minneapolis, Minn. 795

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HIGH-CLASS perspectives prepared and rendered in water-colors, sepia or black-and-white, or will render perspectives or elevations already lined; English and American experience. Address "Artist," 1214 Angle Street, Philadelphia, Pa. t.f.

WANTED.

DRAUGHTSMEN. — Wanted, two architectural draughtsmen; those only need apply who are accurate in figures, capable of carrying out a design in detail, and possess a good technical training. Address Traphagen & Fitzpatrick, Duluth, Minn. 793

WANTED.

DRAUGHTSMAN. — A proficient architectural draughtsman is wanted. Apply to George Cary, 184 Delaware Ave., Buffalo, N. Y. 794

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Curtis Regulator Co.
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Chalmers-Spence Co.
H. S. Northrop.
Globe Iron Roofing Co.
Baltimore Blind & Awning Co.
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WANTED.

DRAUGHTSMAN. — A thoroughly competent architectural draughtsman wanted; steady position; state experience and salary required. Address Joseph Stillburg, Architect, 20 Fifth Ave., Pittsburgh, Pa. 794

WANTED.

DRAUGHTSMEN. — Wanted, at once, ten (10) first-class architectural and mechanical draughtsmen; positions now open. Address Engineering Employment Bureau, 8 Grange Block, Syracuse, N. Y. 793

WANTED.

DRAUGHTSMAN. — A good, reliable, architectural draughtsman wanted; permanent position to the right man. Address Pratt & Koeppe, Architects, Bay City, Mich. 793

WANTED.

PARTNERSHIP. — An architect wishes a partnership under a salary, or as an associate with an architect whose specialty is large buildings. Address "Architect," 142 West 70th Street, New York. 793

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DRAUGHTSMAN. — A competent draughtsman wanted with experience as superintendent; state references and salary required. Address "E. C.," 2464 St. Catherine Street, Montreal, Canada. 794

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BUILDING PATENTS.

[*Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.*]

445,968. Shutter-Fastener.—Richard J. Berdan, Paterson, N. J.
445,992. Door-Check. — Frederick L. Habliston, Richmond, Va.
446,008. Heater.—Frank C. Peteler, Minneapolis, Minn.
446,038. Level. — Stephen J. Townsend, Sumterville, Fla.
446,044. Hoisting-Drum for Elevators.—Peter L. and Asa A. Weimer, Lebanon, Pa.

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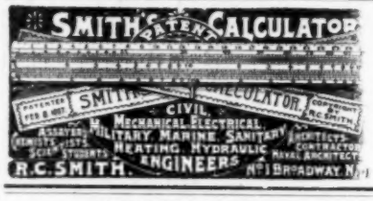

BUILDING PATENTS.

446,101. Lock. — Heinrich Ludwig, Schweinfurt, Germany.
446,103. Track for Door-Hangers. — Alfred L. und Alfred H. Scranton, Western Springs, Ill.
446,121. Metallic Ceiling. — William R. Kinnear, Columbus, Ohio.
446,130. Lightning-Rod. — George W. Downey, Hyattsville, Md.
446,137. Elevator. — Charles E. Ongley, New York, N. Y.
446,145. Roofing-Paper. — Henry Cunningham, Batchtown, Ill.
446,151. Man-Hole Cover. — Robert Monroe, Allegheny, Pa.
446,163. Combined Hot-Air, Steam and Hot-Water Heater.—William H. Denslow, Ulster, Pa.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING FEBRUARY 27, 1891.

From Colon. — Steamer "*City of Para*," 16 pieces mahogany, H. W. Peabody & Co.

From Genoa. — Ship "*E. Raggio*," 247,000 hollow bricks, order.

From Glasgow. — Steamer "*Anchoria*," 80 packages granite, W. C. Townsend.

From Hull. — Steamer "*Martello*," 50 casks bricks, Howard Fleming.

From Laguna. — Bark "*Elvina*," 336 logs mahogany and cedar, Thebaud Bros.

From Leghorn. — Steamer "*India*," 18 blocks marble, Pells & Co.; 467 slabs marble, order. Bark "*Guiseppe*," 91 blocks marble, 881 slabs do., order.

From Liverpool. — Steamer "*Nevada*," 62 casks bricks, Howard Fleming.

From London. — Steamer "*Tower Hill*," 500 casks cement, Howard Fleming.

From Newcastle. — Steamer "*Otranto*," 500 casks cement, order. Steamer "*Hornhead*," 500 casks cement, order.

From Santa Cruz. — Bark "*Vigilant*," 1,230 pieces cedar and mahogany, E. W. Adams & Co.

From St. Jago. — Brig "*Harry Smith*," 162 logs mahogany, G. Amsinck & Co.

(*Continued on page* xix.)

MOSAICS

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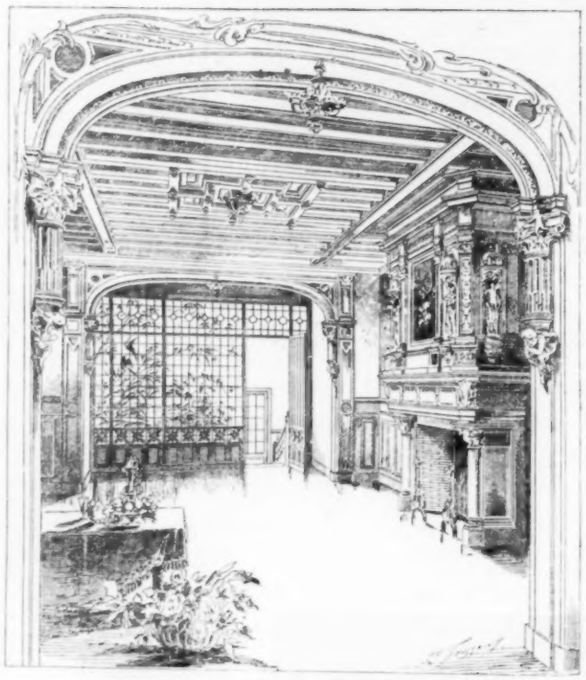
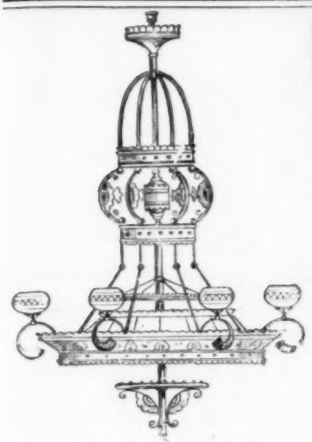


In the Château de Chantilly.

FIREPLACES.



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BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

ALTERATIONS.

Boston, Mass.— *Washington St., Avon Pl. and Summer St.*, Ward 10, alterations to mercantile building; owners, Jordan, Marsh & Co.; builders, Emery & Stewart.

Winter Pl., remodelling brick store; owner, Mr. McDonald; architect, Tristram Griffin.

Brooklyn, N. Y.— *Irving Pl.*, n e cor. Fulton St., three-st'y brick store and dwell., tin roof, raised one story, four-st'y brick extension, gravel roof, added and internal alterations made; cost, $9,000; owner, E. H. Nichols, 20 Nassau St.; architect, J. S. Ashley, 621 President St.

Chicago, Ill.—R. A. Randolph, two-st'y addition, 373 Woodside St.; cost, $1,500.

B. Stedman, one-st'y addition, 353 Root St.; cost $1,500.

John Boening, two-st'y addition, 526 North Franklin St.; cost, $2,000.

A. J. Callahan, one-st'y addition, 2401-09 La Salle St.; cost, $15,000.

A. E. D. Evers, two-st'y addition, 1277 Clark St.; cost, $2,000.

Grand Rapids, Mich.—Brick veneered addition to dwell., Ransom St.; cost, abt. $3,000; owner, Mr. J. C. More; architect, W. G. Robinson.

Two-st'y brick addition (containing steam-plant) to the hall of the Arbeiter Society; cost, abt. $9,000; architect, W. G. Robinson; contracts not let.

Worcester, Mass.—*Castle St.*, extensive repairs and alterations to apartment-block; owner, W. H. Gates; architect, J. B. Woodworth; contract not let.

APARTMENT-HOUSES.

Boston, Mass.— *Boylston St., Nos.* 383-385, Ward 11, 2 four-st'y brick apartments, flat roofs, 26' x 97'; owner and builder, W. D. Vinal.

Brooklyn, N. Y.— *Vernon Ave.*, s s, 168' w Throop Ave., three-st'y brick apartment-house, gravel roof; cost, $8,000; owner, Louis Mader, 256 Throop Ave.; architect, J. G. Glover, 186 Remsen St.

New York, N. Y.— *Sixth St., Nos.* 223-225, 2 five-st'y brick, stone and terra-cotta flats; cost, $32,000; owner, B. Bosch; architects, Kurtzer & Rohl.

Tenth Ave., n w cor. Twenty-eighth St., five-st'y brick flat, tin roof; cost, $25,000; owner, J. W. McCauley, 312 Tenth Ave.; architect, Julius Munkowitz, 247 West One Hundred and Twenty-fifth St.

Eleventh Ave., e s, 110' s One Hundred and Sixty-fifth St., four-st'y brick flat, tin roof; cost, $17,000; owner, Joseph Haefelen, 430 West Forty-fourth St.; architects, Buchman & Deisler, 8 West Twenty-ninth St.

One Hundred and Thirty-third St., n s, 125' e Seventh Ave., 4 five-st'y brick flats, tin roofs; cost, $84,000; owner, John R. Fritz, One Hundred and Sixty-third St. and Tenth Ave.; architect, F. B. Cole, One Hundred and Fifty-fifth St. and Tenth Ave.

Division St., No. 57, five-st'y brick flat, tin roof; cost, $15,000; owner, Charles A. Mount, 4 West Twenty-first St.; architects, J. Boekel & Son, 54 Bond St.

Orchard St., s w cor. East Houston St., five-st'y brick flat, tin roof; cost, $17,000; owner, Carl Frank, 103 Second St.; architect, Charles Rentz, 153 Fourth Ave.

Lexington Ave., s w cor. One Hundred and Twenty-first St., five-st'y stone, buff brick and terra-cotta flat; cost, $60,000; owner, H. C. Tuke; architect, J. C. Burne.

Amsterdam Ave., n w cor. Seventy-eighth St., three brick and stone flats; owners, Gunn & Grant; architect, G. A. Schellinger.

St. Louis, Mo.—Two-st'y brick flat; cost, $5,000; owners and contractors, Cavanaugh Bros.

Three-st'y brick flats; cost, $11,000; owner, R. N. Paulin; contractor, M. Kirkwood.

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BUILDING INTELLIGENCE.

CHURCHES.

Lynchburg, Va—The Methodist Protestant Church contemplate building an edifice, to cost about $40,000.

New York, N. Y.—*Baxter St., Nos.* 113-117, brick church, tin roof; cost, $30,000; owner, R. C. Church of St. John the Baptist and St. Michael, 128 White St.; architect, William Schickle, 246 Fifth Ave.

FACTORIES.

Baltimore, Md.—Schneider & Fuchs will build a four st'y brick factory on St. Paul St., bet. Saratoga and Pleasant Sts.

Boston, Mass.—*Congress St.*, near Atlantic Ave., Ward 12, six-st'y brick factory and warehouse, flat roof, 140′ x 177′; owners, G. T. Sheldon *et als.*

Brooklyn, N. Y.—*Grand Ave.*, e s, 315′ s Park Ave., three-st'y brick steam packing factory, tin roof; cost, $4,000; owner, John Ross, Park Ave. and Sanford St.; architects, David Acker & Son, Broadway and Flushing Ave.

Chicago, Ill.—George Enger, three-st'y factory, 2624-30 Shields Ave.

New York, N. Y.—*East Eleventh St., Nos.* 718-722, five-st'y brick and stone factory, with stable; owner, Mrs. Mary Decker; architects, Kurtzer & Rohl

Eleventh Ave., n e cor. Sixty-second St., three-st'y brick factory, tin roof; cost, $20,000; owner, Fred Fgler, Jr., 398 St. Nicholas Ave.; architects, J. Boekel & Son, 54 Bond St.

West Thirty-fifth St., Nos. 509-511, five-st'y brick factory, tin roof; cost, $9,000; owner and architect, Wm. Livingston, 451 West Thirty-fourth St.

St. Louis, Mo.—Two-st'y brick wagon factory; cost $4,000; owner, Wm. Luedinghaus; contractor, Wm. Kerksieck.

Two-st'y brick factory; cost, $15,000; owner, H. Althaus; contractors, Bothe & Ratermann.

HOTELS.

Fairmont, W. Va.—The building of a hotel, to cost about $40,000, is reported.

HOUSES.

Baltimore, Md.—F. E. Yewell, 18 three-st'y brick buildings, w s Linden Ave., bet. Wilson and Laurens Sts.

J. S. Magarity, 4 three-st'y brick buildings, e s Broadway, s Federal St.

J. Frank Griffin, 10 two-st'y brick buildings, n s Lancaster St., bet. Canton and Robinson Sts.; 5 two-st'y brick buildings, e s Canton St., n Lancaster St.; and 6 two-st'y brick buildings, w s Robinson St., n Lancaster St.

Albert Mahone, 29 two-st'y brick buildings, e s Carrollton Ave., bet. Riggs Ave. and Winchester St.; and 6 two-st'y brick buildings, n s Riggs Ave.

Jas. W. Sindall, 6 two-st'y brick buildings, beg. s w cor. Federal and Spring Sts.; and 5 two-st'y brick buildings, w s Spring St., s Federal St.

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Pays for itself in decreased cost of insurance—will not "sag" under the heavest coats of mortar—ensures a perfect ceiling, free from cracks. Its fire-resisting qualities have been demonstrated in three public tests—detailed accounts of which will be mailed to any address upon request.
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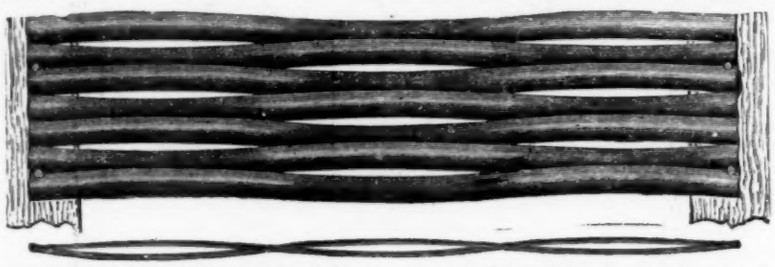

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Boston, Mass.—*Cohasset St., No.* 14, Ward 23, frame dwell., 23′ x 43′; owner, Ernst Gerhart; builder, P. Sneider.

Market St., near Surrey St., Ward 25, 2 three-st'y frame stores and dwells., flat roofs, 20′ x 40′; owner, James O'Connell; architect, A. M. Bowser.

Custer St., No. 20, Ward 23, three-st'y frame dwell., flat roof, 22′ x 40′; owner and builder, J. C. Betts.

Washington St., Nos. 2990-2992, near Cobden St., Ward 21, 2 three-st'y frame dwells., flat roofs, 22.6′ x 53′; owner, George E. Howe; builders, Ourish & Rich.

Lauriat Ave., cor. Laurist St., Ward 24, frame dwell., 21.3′ x 25′; owner, F. L. Cressy; builders, Whittaker Bros.

Aldie St., near Athol St., Ward 25, frame dwell., 23.6′ x 36.6′; owner, Cornelius Bevelander; architects, Alcock & McKay.

Idaho St., near unnamed St., Ward 24, frame

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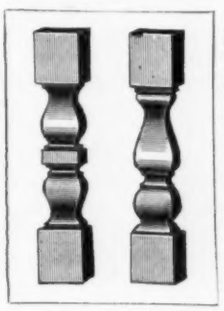

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dwell., 23′ x 44′; owner, Ansley Bienton; builders, Chute Bros.

Lauriat Ave., near Lauriat St., Ward 24, frame dwell., 21.3′ x 25′; owner, F. L. Cressy; builders, Whittaker Bros.

Huntington Ave., No. 690, Ward 22, four-st'y brick dwell. and store, flat roof, 49′ x 62′; owner, B. J. Connolly; builder, C. A. Halstrom.

Barton St., No. 52, *rear*, Ward 5, three-st'y brick dwell., flat roof, 21.6′ x 23′; owners, Francisco and Catherina Lacorcia; builders, Coon & Hall; architect, C. F. Atwood.

Batavia St., Nos. 25-29, Ward 11, 3 three-st'y brick dwells., flat roofs, 24′ x 52′; owner, Jesse Tirrell; builders, Burnham & Davis; architect, H. J. Preston.

Rockville Park, near Warren St., Ward 21, frame dwell., 22′ x 44′; owner, S. S. Rowe; builder, A. S. Drisko.

Brooklyn, N. Y.—*Cooper St.*, s s, 125′ e Evergreen Ave., 2 two st'y frame dwells., tin roofs; cost, $3,000 each; owner, Henry Kordes, 86 Cooper St.; architects, Gordon & Bormann, East New York and St. Mark's Aves.

Degraw St., No. 305, two st'y brick dwell. and blacksmith-shop, tin roof; cost, $6,000; owner, M. Heaney, 307 Degraw St.; architects, M. Freeman's Sons, 284 Warren St.

Pacific St., n s, 360′ e Rochester Ave., 10 two-st'y frame dwells., tin roofs; cost, $1,600 each; owner, architect and builder, F. Neey, Jr., 1871 Pacific St.

Noble St., n s, 400′ e Franklin St., two-st'y frame dwell., tin roof; cost, $8,000; owner, Wm. Morrissey, M.D., 115 Noble St.; architect, F. J. Conlon, 732 Leonard St.

Ridgewood Ave., s w cor. Linwood St., two-st'y frame dwell., shingle roof; cost, $3,000; owner, Isaac Newton; architect, Charles Meins, 97 Sheffield Ave.

Gloucester, Mass.—*Beacon Pole Hill*, frame dwell., 30′ x 32′; cost, about $4,000; owner, Fred Sawyer; contract to be let; architect, Tristram Griffin, Boston.

Somerville, Mass.—*Sydney St.*, four frame dwells., each 20′ x 28′; owners and builders, Pickering & Co.

Porter St., near Highland Ave., frame dwell., 25′ x 35.6′; owner and builder, Willard L. Glidden.

Elm St., cor. Mossland St., frame dwell., 22′ x 28′, with L, 16′ x 18′; owner and builder, W. J. Dowd.

Grant St., frame dwell., 28′ x 50′; owner, T. C. Page; builder, John K. Ricker.

Derby St., frame dwell., 25′ x 40′; owner, Mary E. Ricker; builder, John K. Ricker.

Calvin St., frame dwell., 21′ x 30′, with L, 14′ x 18′; owner, Nellie Beattie; builder, Geo. E. Ricker.

Campbell Park, frame dwell., 24′ x 28′, with L, 4′ 12′; owner and builder, Maurice Buttimer.

Belmont Pl., frame dwell., 24′ x 33′; owners and builders, W. L. and H. S. Waugh.

Chandler St., two frame dwells., 30′ x 33′ and 26′ x 34′; owner and builder, Jason E. Herrick.

Hudson St., frame dwell., 21′ x 23′, with L, 6′ x 12′; owner and builder, Luke Kilroy.

Morrison St., five frame dwells., two 24′ x 40′ and three 22′ x 36′; owners and builders, Skelton Bros.

St. Louis, Mo.—Two-st'y brick dwell.; cost, $6,300; owner, J. Finan; contractor, J. Wilkinson.

Two-st'y brick dwell.; cost, $4,500; owner, T. Appelgrew; contractor, S. De Lille.

Two-st'y brick dwell.; cost, $2,500; owner, D. Reardon; contractor, T. F. Marley.

Two-and-one-st'y brick dwell.; cost, $4,600; owner, J. Liermann; contractor, H. Shumaker.

Two-st'y brick dwell.; cost, $10,000; owner, L. Mette; contractor, J. Staude.

Two-st'y brick dwell.; cost, $4,500; owner, F. Beckemeir; contractor, C. Wehking.

Two-st'y brick dwell.; cost, $4,000; owner and contractor, J. N. Scott.

Two-and-one-half-st'y brick dwell.; cost, $3,750; owner, H. Faulkenhainer; contractors, W. Rievve & Son.

Two-st'y brick dwell.; cost, $3,200; owner and contractor, Abner Cooper.

Two-st'y brick dwell.; cost, $2,600; owner, J. Schmit; contractor, R. Doerste.

Two-st'y brick dwell.; cost, $4,000; owner and contractor, E. P. Dixon.

Two-st'y brick dwell.; cost, $16,000; owner, R. E. Filley; contractor, P. Moynihan.

Two-st'y brick dwell.; cost, $5,900; owner, H. Latze; contractor, A. Krause.

Two-st'y brick dwell.; cost, $5,000; owner and contractor, F. Dielenheim.

Two-st'y brick dwell.; cost, $10,000; owner, E. C. Donk; contractor, C. Lillenkohl.

Two-st'y brick dwell.; cost, $2,740; owner, W. H. Purcell; contractor, H. Bopp.

Two-st'y brick dwell.; cost, $3,000; owner, E. Campbell; contractor, Jno. Scott.

One-st'y brick dwell.; cost, $4,000, owner, Mrs. S. Schlupp; contractors, Skinner & Edward.

Two-st'y brick dwell.; cost, $12,000; owner and contractor, John Mahon.

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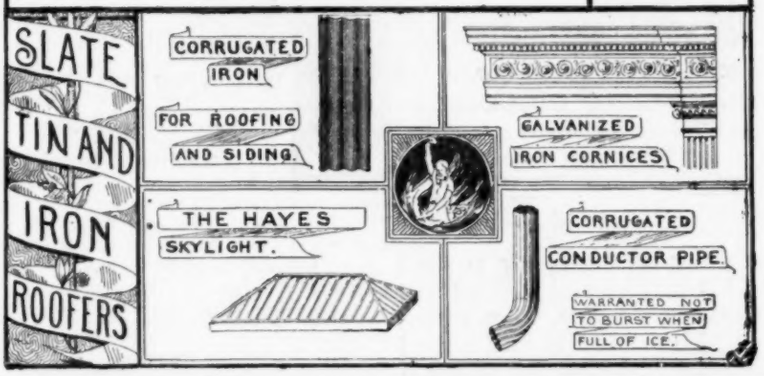

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Three two-st'y brick dwells.; cost, $9,000; owner and contractor, W. Hambley.

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Three two-st'y brick dwells.; cost, $7,500; owner and contractor, C. Newberry.

Three-st'y brick dwell. and store; cost, $3,500; owner, Aug. Winkel; contractor, J. Schneider.

Two-st'y brick double dwell.; cost, $4,750; owner, Tobias Tobin; contractor, Wm. Klute.

Two-st'y brick store and dwell.; cost, $11,000; owner and contractor, Thos. J. Gunn.

Two-st'y brick dwell. and store; cost, $3,200; owner, J. Gockel; contractor, G. Schake.

Two-st'y brick dwell.; cost, $2,500; owner, A. Harles; contractor, George Smith.

Two-st'y brick dwell.; cost, $2,700; owner, H. Stratmann; contractor, F. S. Labarge.

Three-st'y brick dwell.; cost, $4,800; owner, H. H. Bothe; contractors, Bothe & Raterman.

Two-st'y brick dwell.; cost, $12,000; owner, W. C. Uhri; contractors, A. Uhri & Son.

Two-st'y brick dwell.; cost, $4,300; owner, Jno. Grennon; contractor, D. G. Hughes.

Two-st'y brick dwell.; cost, $2,800; owner, E. Miller; contractor, D. W. Case.

Two-and-one-half-st'y brick dwell.; cost, $2,500; owner, Chas. Loepfe; contractor, T. Knittel.

Two-st'y brick dwell.; cost, $6,100; owner, M. S. Stuyvesant; contractors, T. H. Gray & Bros.

Two-st'y brick dwell.; cost, $4,900; owner, Gus Cookley; contractors, T. H. Gray & Bros.

Two-st'y brick dwell.; cost, $5,300; owners and contractors, T. H. Gray & Bros.

Two two-st'y brick dwells.; cost, $8,200; owner, Anna Monks; contractors, T. H. Gray & Bros.

Two-st'y brick dwell.; cost, $2,500; owner, James Kelly; contractors, Kelly & Lawton.

Two-st'y brick dwell.; cost, $2,500; owner and contractor, J. E. Cook.

Two-st'y brick dwell.; cost, $4,400; owner and contractor, T. J. Quinn.

Two-st'y brick dwell.; cost, $2,800; owner, James Jenkins; contractor, H. Christophel.

Six two-st'y brick dwells.; cost, $3,900 each; owner, G. E. Henner; contractors, Henner Bros.

Two-st'y brick dwell.; cost, $6,000; owner and contractor, T. Sullivan.

Three-st'y brick dwell.; cost, $4,000; owner, Rosa Tauber; contractor, Fred Hockel.

Two-st'y frame dwell.; cost, $6,000; owner, C. Finley; contractor, A. E. Cook.

Two-st'y brick dwell.; cost, $2,500; owner, N. Jacobs; contractors, Reibiger & Snidner.

Two-st'y brick dwell.; cost, $2,700; owner, Geo. Kaufman; contractor, Geo. Betinger.

Two-st'y brick dwell.; cost, $3,500; owner, Peter Berre; contract, sublet.

Two-st'y brick dwell.; cost, $9,000; owners and contractors, Moran & Podmore.

Two-st'y brick dwell.; cost, $3,000; owner and contractor, A. B. Casgrove.

Two-st'y brick dwell.; cost, $5,000; owner, Aug. Weber; contractor, R. J. Loyd.

Two-st'y brick dwell.; cost, $3,000; owner, A. Krome; contractor, R. J. Loyd.

One-st'y brick dwell.; cost, $2,600; owner, Miss Greve; contractor, Smith & Bruehn.

Worcester, Mass. — *Coburn Ave.*, two-st'y frame dwell.; owner, F. W. Leavitt; contractors, G. S. & H. G. Hadley.

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Archer, Tenn. — County court-house, to cost about $40,000, will be built.

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SCHOOL-HOUSES.

Baltimore, Md.—The building of a new building for Primary School No. 19, to cost $35,000, is proposed.

Boston, Mass. — *Washington St., Welles Ave. and Walton St.*, Ward 24, two-st'y brick school-house, hip roof, 76′ x 185.10′, for City of Boston; builders, Woodbury & Leighton.

Lamson St., cor. Summer St., Ward 2, two-st'y brick school-house (Adams School), pitch roof, 82′ x 116′, for City of Boston; builders, Sampson, Clark & Co.

Maplewood (Malden), Mass. — Six-room frame school-house; cost, about $16,000; architect, Tristram Griffin, Boston.

St. Louis, Mo. — Four-and-one-half-st'y brick academy and monastery; cost, $150,000; owners and contractors, Visitation Convent Corps.

One-st'y brick kindergarten; cost, $5,000; owner, St. Louis Public Schools; contractor, J. T. Lowergan.

STABLES.

Boston, Mass.— *Landseer St., rear*, near Bellevue St., Ward 23, one-st'y frame stable, 18′ x 24′; owner, C. A. Wilson; builder, J. M. Kelley.

Lamartine St., No. 236, rear, Ward 25, one-st'y frame stable, 15′ x 16′; owner, J. J. Fallon; builder, J. P. Harris.

Homestead St., rear, near Harold St., frame stable, 20′ x 26′; owner, Etta E. Hart; builder, James P. Worcester.

Chicago, Ill. — Z. P. Brosseau, two-st'y barn, 1942 Barry Ave.; cost, $1,500.

Daniel Smost, two-st'y barn, Sixty-seventh St. and Stewart Ave.; cost, $1,500.

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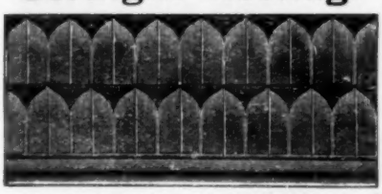

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Somerville, Mass. — *Craigie St.*, cor. Summer St., frame stable, 25′ x 35′; owner, Mary A. Goulding; builder, Geo. D. B. Robinson.

STORES.

Brooklyn, N. Y. — *Van Cott Ave.*, n w cor. Sutton St., 4 three-st'y frame stores and dwells., gravel roofs; cost, $25,000; owner, O. W. Humphreys, on premises; architect, Fred Weber, 211 Manhattan Ave.

Liberty Ave., n w cor. Sackman St., three-st'y frame store and dwell., tin roof; cost, $5,000; owner, Williamson Rapelyea, New Lot Road, cor. Consylvania.

Fulton Ave., n s, 50′ w Cleveland St., three-st'y frame store and dwell., tin roof; cost, $5,000; owner, Justina Ilsemann, Fulton Ave., cor. Cleveland St.; architect, Louis F. Schillinger, Liberty Ave., cor. Barbey St.

Bedford Ave., Nos. 350-352, 2 four-st'y brick stores and dwells., tin roofs; cost, $20,000; owner, Wm. Boekell, 352 Bedford Ave.; architects, J. Boekell & Son, 54 Bond St., New York City.

Chicago, Ill. — A. C. Berent, 2 three-st'y stores and flats, 531-533 West Monroe St.; cost, $15,000.

Charles Hendricks, two-st'y store and flats, 464 West Twelfth St.; cost, $5,500.

Kate O'Connor, two-st'y store and dwell., 4913 Halsted St.; cost, $1,600.

John Zalme, three-st'y store and dwell., 501 Commercial Ave.; cost, $1,200.

J. Kuhl, two-st'y store and dwell., 224 Orchard St.; cost, $5,000.

T. Suprenant, two-st'y store and flats, 4825 Halsted St.; cost, $2,500.

O. S. Rose, three-st'y store and flats, 4221 Lake Ave.; cost, $5,500.

John G. Heinz, three-st'y store and flats, 384 Chestnut St.; cost, $6,000.

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E. H. Phalen, two-st'y store and flats, Seventy-seventh St., near Bishop St.; cost, $2,500.

TENEMENT-HOUSES.

Somerville, Mass. — *London St.*, three-st'y frame tenements, flat roof, 31′ x 54′; owner, James W. Buckley; builder, Sylvester Woods.

WAREHOUSES.

Chicago, Ill. — Arnold Bros., five-st'y warehouse, 10-12 North Union St.; cost, $6,000.

MISCELLANEOUS.

Baltimore, Md. — The building of an engine-house, to cost $12,000, is contemplated by the authorities.

Boston, Mass. — *Columbus Ave., Stanhope St. and Morgan St.*, Ward 11, five-st'y brick mechanical building, flat roof, 85′ x 100′; owners, Pope Mfg. Co.; builders, Woodbury & Leighton.

Brooklyn, N. Y. — *State St.*, s s, 157′ 10½″ w Smith St., two-st'y brick fire truck-house, tin roof; cost, $10,500; owner, City of Brooklyn; architects, Engineer's Dept. of City Works.

Chicago, Ill. — A. Ortmeyer, conservatory, 496 Dearborn Ave.

Grand Rapids, Mich. — Two-st'y brick engine-house for the city of Grand Rapids; cost, about $8,000; architect, W. G. Robinson.

Richmond, Va. — A building for the Mechanics' Institute, to cost $50,000, will be built.

PROPOSALS.

February 26, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 24th day of March, 1891, for all the labor and materials, and fixing in place complete, the low-pressure, steam-heating and mechanical ventilating apparatus for the United States Post-office, etc., building at Brooklyn, N. Y., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Brooklyn, N. Y. Each bid must be accompanied by a certified check for $500. The Department will reject all bids received after the time herein stated for opening the same, also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-pressure, Steam-heating and Mechanical Ventilating Apparatus for the United States Post-office, etc., building at Brooklyn, N. Y.," and addressed to JAS. H. WINDRIM, Supervising Architect. 794

February 24, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 17th day of March, 1891, for all the labor and

(*Continued on page* xxiv.)

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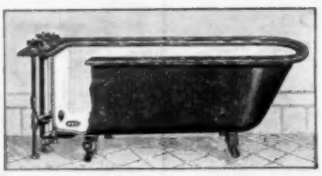

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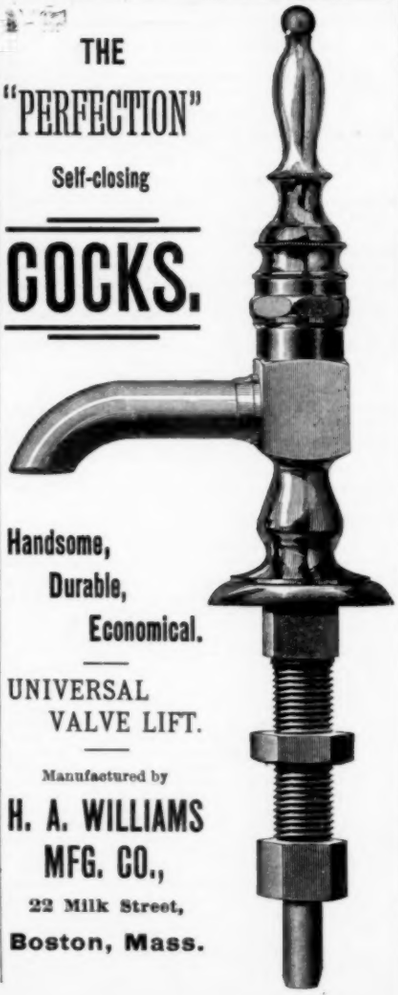

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February 24, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 18th day of March, 1891, for all the labor and material required for the approaches to the United States Court-house, Post-office and Custom-house at Vicksburg, Miss., in accordance with the drawing and specification, copies of which may be had on application at this office or the office of the Superintendent at Vicksburg, Miss. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time herein stated for opening the same; also, all bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Approaches to the United States Court-house, Post-office and Custom-house at Vicksburg, Miss.," and addressed to JAS. H. WINDRIM, Supervising Architect. 793

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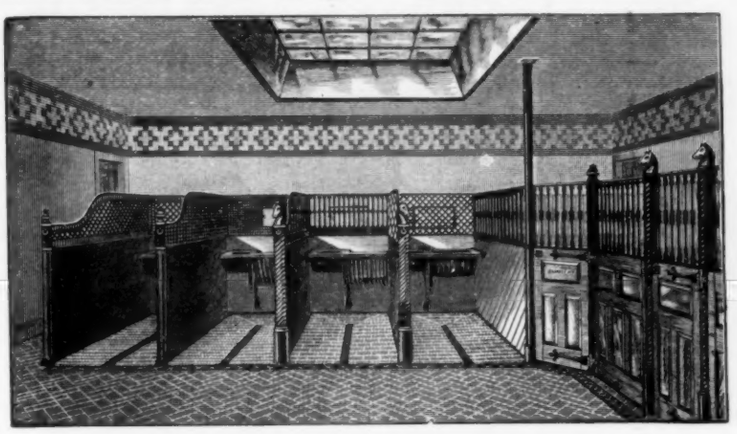

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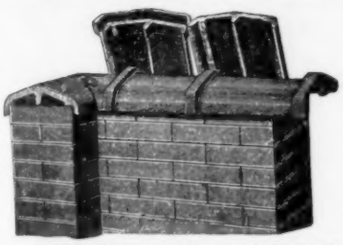

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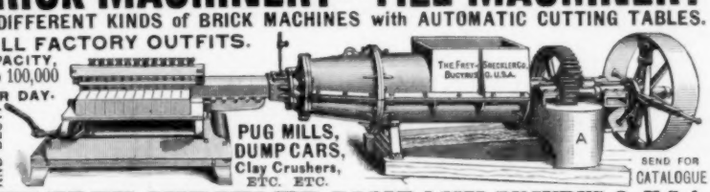

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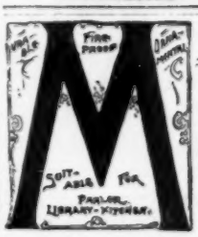

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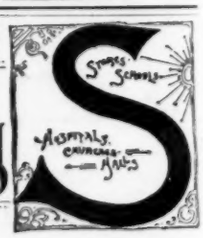

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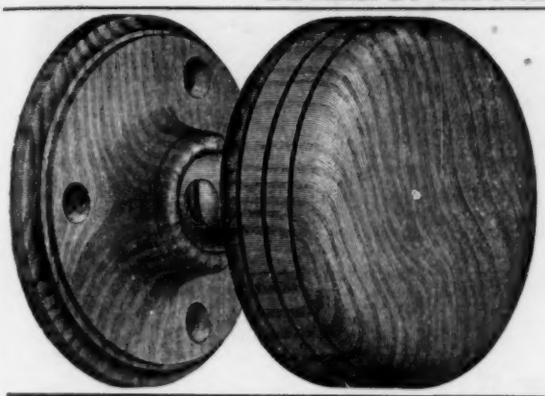

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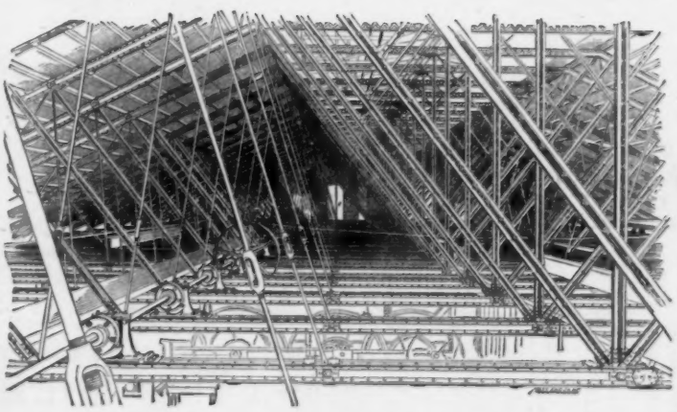

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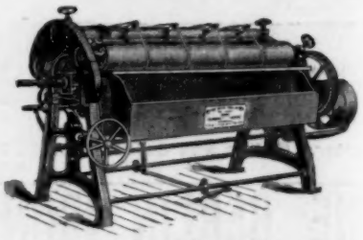

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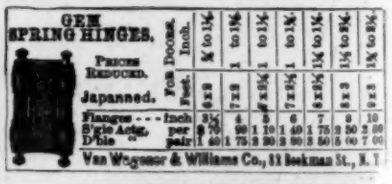

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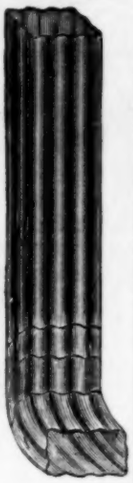

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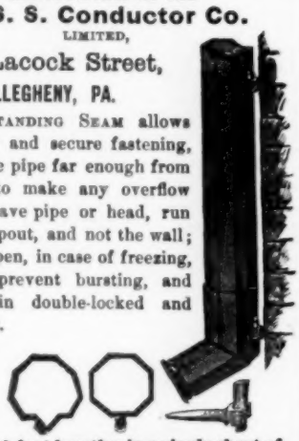

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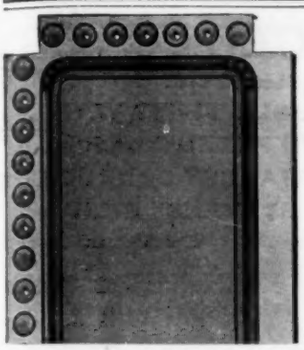

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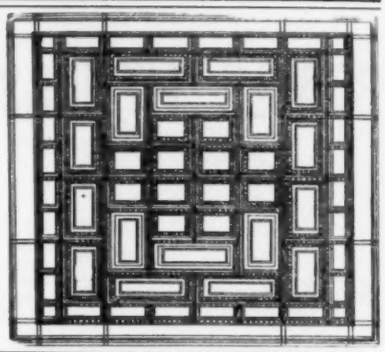

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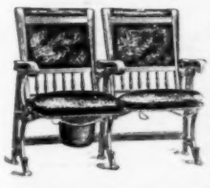

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" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 30 00	30 00 @ 35 00
Spruce	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 40 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 30	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	@ 2 25	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ M	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40
Cedar, split ₱ M	@	@	*Not sold.*	24" 8 @ 21
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	20" 35 @ 14
Cypress. Split 7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft.	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Commo	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. *(First Qual. [Kiln dried.)*				
Ash	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 55 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ₱ lb	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 17 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	50 @ 45 00

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Up River		Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 00
Haverstraw Bay 2nd	5 75 @ 6 00	Philadelphia 40 00 @ 45 00		Light Stretchers
" 1st	6 00 @ 6 25	Phila. mould 50 00 @ 80 00		@ 10 00
Hollow	@ 13 00		15 00 @ 27 00	Medium " @ 12 0
Fronts		Anderson 14 00 @ 32 00	65 00 @ 350 00	Red " @ 13 00
Croton, Brown	@ 13 00		@ 55 00	Dark " @ 13 00
" dark	@ 14 00		45 00 @ 50 00	Pressed
" red	@ 14 00		45 00 @	18 00 @ 20 00
Chicago pressed (Anderson)			25 00 @	Best Paving
Chicago Moulded			60 00 @ 100 00	@ 14 00
Baltimore	37 00 @ 41 00		30 @	Second "
Philadelphia	23 00 @ 24 00		35 @	@ 13 00
Trenton	22 00 @ 23 00		55 00 @ 65 00	Third "
Milwaukee				@ 12 00
Moulded:				
Glens Falls Red Pressed	@ 37 00		@ 100 00	Dom. @ 6
" " Buff "	@ 30 00		@ 120 00	@ 8
" " Moulded Red & Buff	45 00 @ 70 00			
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Enamelled (edge.)	80 00 @ 100 00			
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Rosendale Cement	1 10 @ 1 25	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
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(K. B. & S.)	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 72 @ 3 00
" " Black Cross	2 50 @ 2 80	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burham)	2 65 @ 3 00	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	3 60 @ 3 75	@ 5 00	3 00 @ 3 25	
" French (Lafarge)	2 90 @ 3 25	3 00 @ 3 50	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 25 @ 2 40	3 15 @ 3 35	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 50 @ 2 90	Cleopatra	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)		2 55 @ 3 0	@	Josson
" " (Lagerdofer)		3 00 @ 3 50	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25		3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00	2 15 @ 2 50	*Not Sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45		2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	11 50	9 @ 10 50	8 00 @ 9 00
Lime.				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime
Hydraulic Lime	@ 1 45	@ 1 35	55 @	25 @ 30 ₱ bush
Chicago Lime in bulk		St. ohn 1 00	60 @	White Mass
Wisconsin "	@ 90		*Not sold.*	1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 1 10	@ 1 05	*Not sold.*	1 00 @ 1 00
Rockland and Rockport, finish	@ 1 20	@ 1 10	1 00 bulk, 75c.	
Kelley Island Lime, finish	@ 85	@ 1 20	*Not sold.*	*Not sold.*
State, com. cargo rates (nom.)	@ 1 05	*Not sold.*	*Not sold.*	*Not sold*
State, finishing "	1 20 @ 1 25	*Not sold.*	*Not sold.*	1 50 @ 2 25
Plaster of Paris (calcined.)	1 30 @ 1 35	1 85 @ 2 00	1 85 @ 1 90	1 75 @ 2 50
" (casting)	16 @ 18	@ 2 25	1 85 @ 1 90	20 @ 25
Hair (Cattle) ₱ bush	20 @ 22	25 @ 30	20 @ 25	30 @ 35
" (Goat)	1 00 @ 1 25	@ 30	30 @ 55	@ 1 50
Sand, ₱ load		1 75 @ 1 90	@ 60	
STONE. (₱ cubic foot, rough.)		@ 60		55 @ 65
Granite: (Maine)	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Limestone:	@ 1 00		25 @ 55	Richmond
Bedford			35 @ 60	"S @ 1 50
Joliet			@ 1 00	6 50 ₱ Perch
Lemont		10 50 per ton		
Serpentine				

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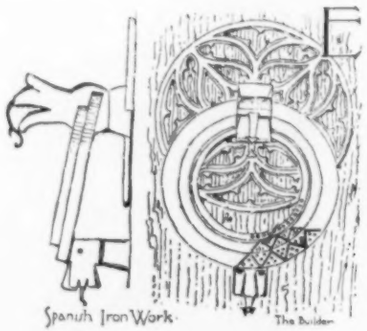

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Mortar Colors.				
Black, brown, buff ℔ lb.	@ 2½			
Colorific ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (℔ sq. ft.)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	75	50 @ 1 00	37 @ 50
Sandstone,				
Longmeadow	@ 80	80 @ 90		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	
Berea } Ohio	75 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin } Ohio	75 1 00	80 @ 90	55 @ 65	
Belleville	80 1 25	1 25 @ 1 35	@ 1 25	
New Brunswick (Dorchester)	1 00	75 @ 90	"	1 10 @ 1
Caen	@	@ 2 00	"	1 00 @ 1
Carlisle, English	@ 1 05	@ 1 05		1 25 @ 1
Corse Hill (Scotch)	1 05	1 05		95 @ 1
Marble (℔ cu. ft.)				
Lee, Mass	@	1 75 @ 2 50	*Not sold.*	2 00 @ 2 50
Rutland, white and Blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	@	@ 2 00	350 @ 6 00	1 70 @ 3 00
Glens Falls, black	@		*Not sold.*	4 00 @ 4 80
Italian, blue-veined	@		@ 4 40	2 50 @ 2 75
" Sienna	@		*Not sold.*	@ 5 00
Tennessee, red	@		@ 4 40	4 00 @ 6 00
" Knoxville	@		@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@		*Not sold.*	2 00 @ 3 00
Vermont, white	1 25 @ 1 75	@	3 50 @ 6 00	2 25 @ 3 00
Slate; Roofing (℔ square)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" red	4 25 @ 4 75	@	6 25 @ 8 85	3 25 @ 4 00
" black, Lehigh			7 30 @ 8 00	4 00 @ 4 65
" "Chapmans	5 50 @ 8 00	5 50 @ 8 0	6 00 @ 9 00	5 50 @ 8 00
" Unfading Black, Monson, Me.			*Not sold.*	@ 25 00
Tiles, Am. ℔ M				6 00 @ 6 75
N. Peach Bottom, warranted unfading				
PAINTS. (In oil, ℔ lb.)				
White lead, Am.	7 @ 7½	7½ @ 7½	6½ @ 7	@ 7½
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	7½ @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermilion	65 @ 70	75 @ 80 dry	65 @ 68	Eng. @ 76
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	53 @ 56	56 @ 57	57 @ 60	@ 60
" " boiled	56 @ 59	59 @ 60	60 @ 63	@ 63
Turpentine	42 @ 43	45 @ 46	51 @ 51	@ 44
Varnish, coach		1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac		2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	2 @	2 @ 4	02½ @	2 @ 2½
Whiting (℔ cwt.)	75 1 00	1 @ 1½	1 @ 1½	½ @ 1
Paris white, (Eng.,)	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am.	5½ @ 6		6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber, "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (Per Cask.) **Spikes,** (wrought.)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 50	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per lb 4 @ 6
(For casing nails add 75c. per keg.)			" .50 to .90	Add pr cask
Butts: 4"x 4" (℔ doz. pairs.)				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish. (℔ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (or cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (℔ Set.)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00@ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:		@	13 @ 16	13½ @ 16
Sheet Lead		@ 8	7	@ 6½
Lead Pipe		@ 7½	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft.	3 3-10 @ 3½	@ 3 1-10	3 20 @ 3 70	@ 2 8-10
I-Beams, over 30 ft. ½, ¼, ½ c. advance.			"	@ 2 8-10
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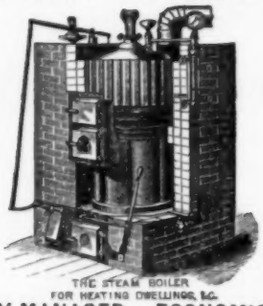
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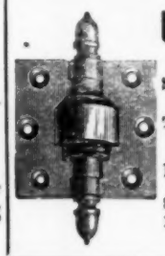

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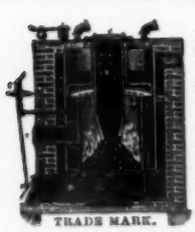
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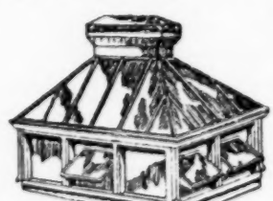

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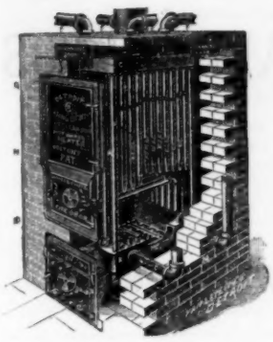

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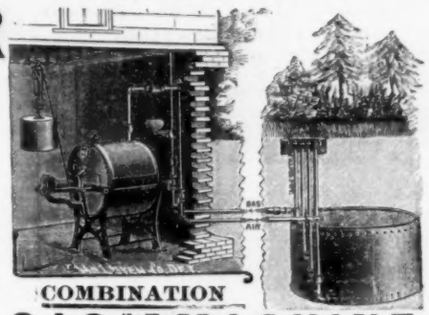

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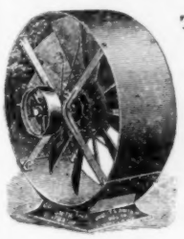

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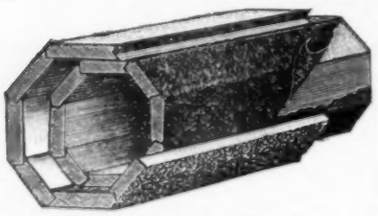

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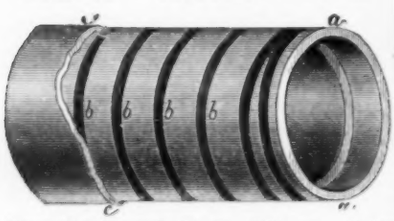

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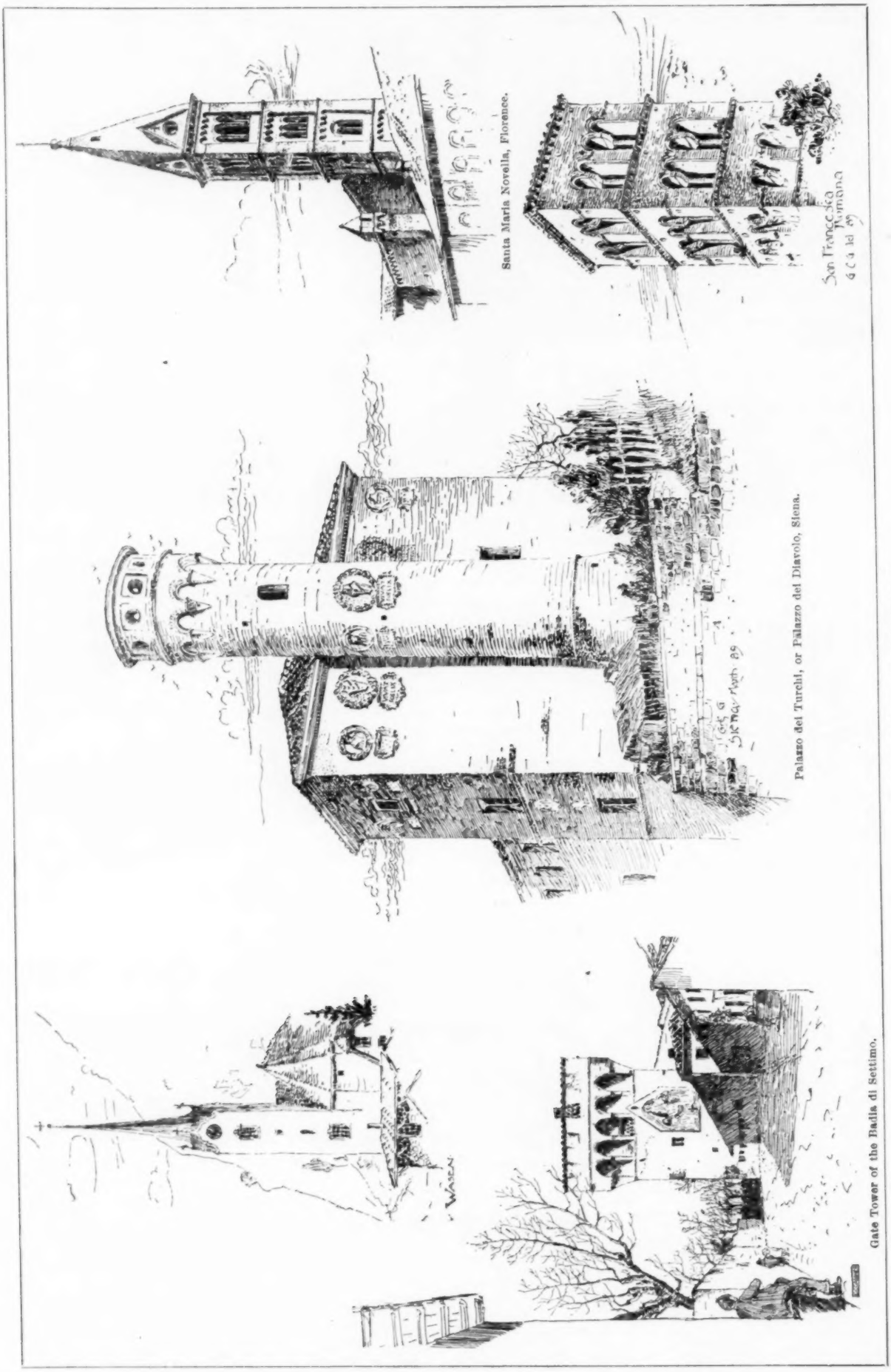

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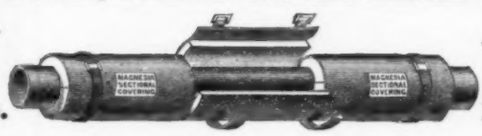

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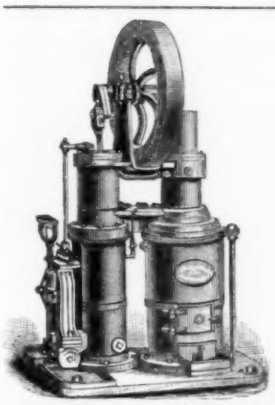

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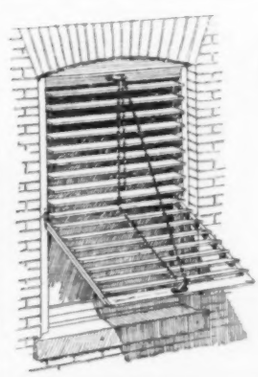

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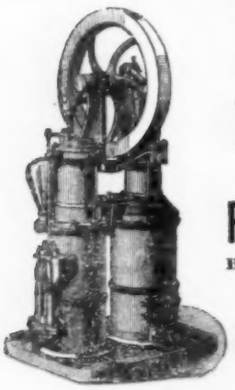

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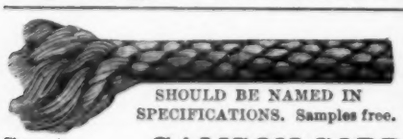

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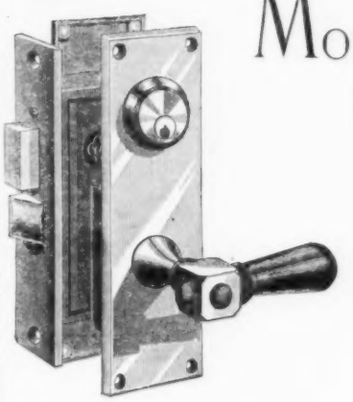

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The American Architect and Building News

IS PUBLISHED EVERY SATURDAY BY

TICKNOR & COMPANY,

211 Tremont St., Boston, Mass.

For the American Architect and Building News Co.

Advance Subscription Rates.

Regular Edition, $6.00 per year; six months, $3.50.
Imperial Edition, $10.00 per year; six months, $6.00.
International Edition, per year in advance, $25.00.
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JAMES S. MUNROE & CO. (Boston, Mass.), Wall Paper. Page xvi.
H. W. PRIES (New York, N. Y.), Metal-Worker. Page 2, Cover.

WANTED.

DRAUGHTSMEN.—Wanted, four first-class architectural draughtsmen. Address F. S. Newman, Architect, Springfield, Mass. 800

WANTED.

POSITION.—A situation is wanted by a young man who has had a number of years' experience as architectural superintendent and constructional draughtsman; New York City work preferred. Address "D.," care H. M. Carleton, 21 Park Row, New York City. 794

WANTED.

CATALOGUES.—Would like to receive trade catalogues, circulars, samples, etc. Address Walter J. Skinner, Jr., Architect, 83 State Street, cor. Main, Bridgeport, Conn. 794

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DESIGNER AND DRAUGHTSMAN.—A first-class designer and draughtsman wanted to take charge of an office in St. Louis; to a thoroughly No. 1 man, well up in the profession, a permanent position, with high salary, is offered. Address "J. S. C.," this office. 795

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DESIGNER.—Wanted, a first-class decorative designer; one thoroughly versed in the various styles and a perfect colorist; send sketches and state salary. Address W. P. Nelson & Co., 193 Wabash Avenue, Chicago, Ill. 794

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DRAUGHTSMAN.—A thoroughly competent architectural draughtsman wanted; steady position; state experience and salary required. Address Joseph Stillburg, Architect, 20 Fifth Ave., Pittsburgh, Pa. 794

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BUILDING PATENTS.

[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

446,194. Bench-Plane.—Jacob Seigley, Wilkes-Barré, Pa.

446,195. Pneumatic Apparatus for Operating Doors.—Charles A. Tucker, East Orange, N. J.

446,200. Fire Indicator and Extinguishing System.—Stephan Broichgans, Milwaukee, Wis.

446,212. Heat-Regulating Apparatus.—Geo. L. Shorey, Lynn, Mass.

446,217. Sheet-Metal Roofing.—Joseph L. Dickelman, Forest, Ohio.

446,222. Hot-Air Furnace.—Peter C. Hoyt, Watseka, Ill.

446,258. House-Door Letter-Box.—Ira G. Lane, New York, N. Y.

446,260. Clothes-Drier.—Mary L. W. Martinot, New York, N. Y.

446,265. Wall and Ceiling Polish.—Thomas J. Neavitt, Austin, Texas.

446,295. Fire-Escape.—Friedrich Schnell, Sr., Fort Madison, Iowa.

446,301. Water-Heater.—Thomas E. Spencer, Toronto, Canada.

446,322. Door-Check.—Lee E. Caldwell, Elvaston, Ill.

446,340. Ventilated Crematory-Closet.—Winfield L. Fuller, Walker, Kansas.

446,345. Discharge-Pipe for Urinals.—Lawrence J. Griffin, Barre, Vt.

446,350. Lens for Illuminating-Tiles.—Peter H. Jackson, San Francisco, Cal.

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BUILDING PATENTS.

446,363. Fireplace.—Joseph P. O'Brien, St. Louis, Mo.

446,375. Lock.—George W. Wooley, St. Paul, Minn.

446,382. Composition for Plastering.—Reuben G. Farnham, Elbridge, N. Y.

446,397. Elevator.—August Sundh, Yonkers, N. Y.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING MARCH 6, 1891.

From Antwerp.—Steamer "*Pennland*," 1,500 barrels cement, E. Thiele; 111 do., 55 bales do., order. Steamer "*Marengo*," 3,000 casks cement, order.

From Amsterdam.—Steamer "*Amsterdam*," 800 casks cement, E. Thiele.

From Glasgow.—Steamer "*State of Pennsylvania*," 309 cases granite, Austin Baldwin & Co.; 99 do., Wm. C. Townsend; 27 do., Commercial Express Co.

From Hamburg.—Steamer "*Marsala*," 560 casks cement, Gabriel & Schall.

From Havre.—Steamer "*La Champagne*," 74 packages marble, Martin Schroeder & Co.

From Hull.—Steamer "*Hindoo*," 360 casks bricks, Howard Fleming.

From Leghorn.—Steamer "*Alsatia*," 1 box marble, 2 blocks do., E. Masperol.

From London.—Steamer "*America*," 500 casks cement, Marcial & Co.; 1,000 do., Howard Fleming. Steamer "*Egyptian Monarch*," 250 casks cement, Henderson Bros.; 16 cases bricks, order. Steamer "*Lake Ontario*," 143 casks bricks, order; 12 logs walnut, order.

From Newcastle.—Steamer "*Critic*," 103 casks glazed bricks, Chas. R. Weeks & Bro.; 25,000 square fire-bricks, Hammill & Gillespie. Steamer "*Crystal*," 67 casks glazed bricks, Chas. R. Weeks & Bro.; 500 casks cement, order.

From Vera Cruz.—Steamer "*City of Washington*," 8 blocks marble, O. Oertel. Steamer "*Habana*," 642 pieces marble, S. Klaber & Co.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

ALTERATIONS.

Chicago, Ill.—W. Allis, one-st'y addition, 4449 Dearborn St.; cost, $1,200.

M. A. Holding, one-and-one-half-st'y addition, 5833 Emerald Ave.; cost, $1,000.

M. Harrison, basement, 3024 Quinn St.; cost, $1,000.

A. Fisher, two-st'y addition, 7201 Greenwood St.; cost, $3,000.

I. Walpson, two-st'y addition, 209 Maxwell St.; cost, $1,600.

P. Gaulfan, one-st'y addition, 242 West Taylor St.; cost, $1,700.

August Baudeleck, basement, 110 String St.; cost, $1,100.

George Poke, one-st'y addition, 811 Armitage Ave.; cost, $1,600.

L. Tedeman, one-st'y addition, 1013 Fairfield Ave.; cost, $1,000.

John Clarkins, basement, 38 Dashiel St.; cost, $1,500.

J. Kassmann, basement and one-st'y addition, 90 Judd St.; cost, $2,800.

(Continued on page xx.)

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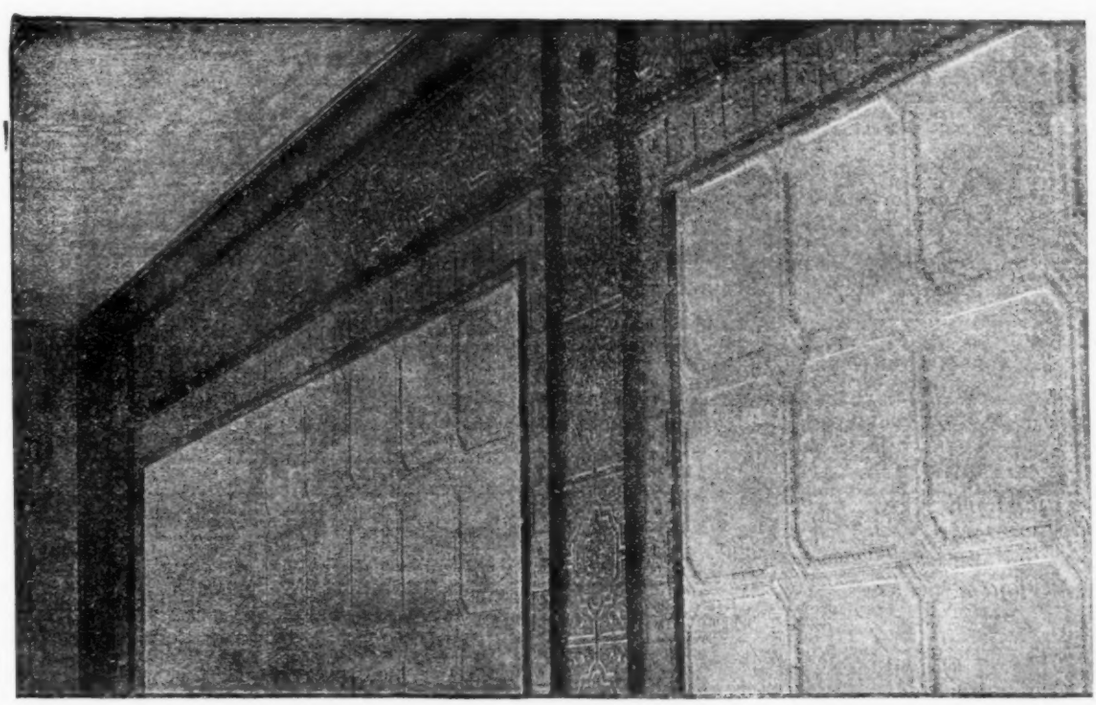

Half-tone Plate, showing view of Ceiling in Dining-room of Rockville Hotel, Rockville, Conn. Formed of 27 x 27 Stamped Steel Panels; small Border of "Greek Fret" pattern; wide Border of 24 x 24 Steel Flat Panels, embossed; Nos. 3 and 15 Enriched Mouldings.

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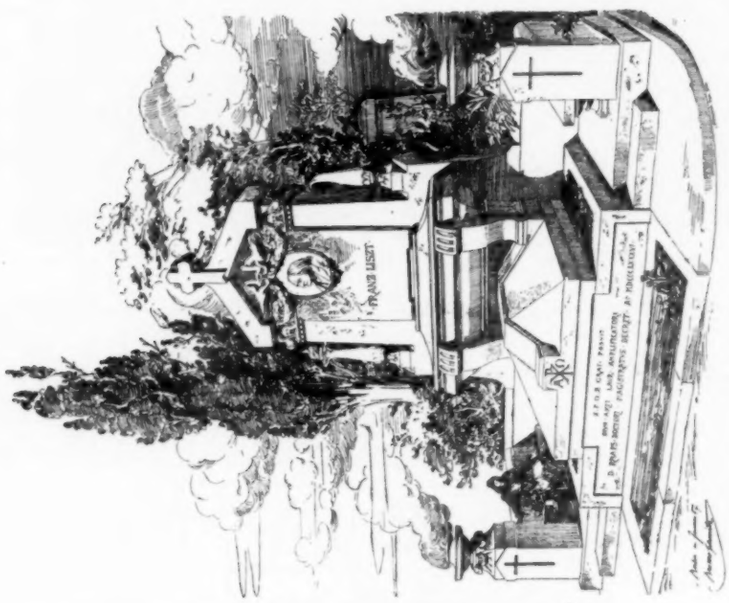

Tomb of Franz Liszt.

Tomb of Marshal Saxe, Strasburg.

Monument to Eugene Delacroix, Luxembourg Garden.

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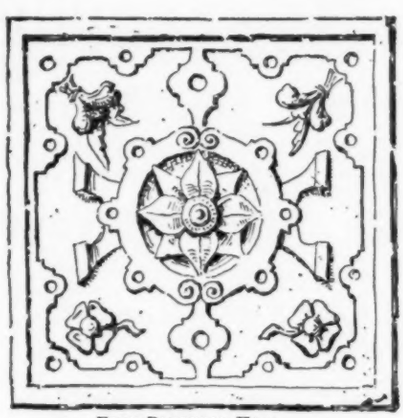

FROM BRERETON HALL.

ALTHOUGH the Architecture of the RENAISSANCE in other countries has during the last few years, received much attention, and been copiously illustrated, but little has been recently attempted towards illustrating the remains of the same period in England; yet the reign of Elizabeth was the time of great building activity, and was marked by a lavish display of magnificence in house building. The desire for domestic comfort led to the erection or the re-modelling of a vast number of houses; whilst the desire for display led great noblemen to vie one with the other in the extent and splendor of the palaces they erected. From one end of the land to the other rich men built, adorning their houses with an infinite variety of detail, dictated by local conditions of material or modes of workmanship, but all conforming to the new style which had found its way to every part of England; but in planting itself on English soil the new style assumed distinctly English characteristics, which it retained until it became submerged beneath the advancing tide of universal Classic. Many of these buildings, stately, picturesque, and rich in beautiful detail, both inside and out, remain to us to show how problems of design were solved, which in their main conditions, come up for solution in the present day. It is these essentially English Buildings which the present work will portray. Hardwick Hall, Hatfield, Kirby, Burghley, Cobham, Blickling, are a few among the large and well-known houses; while Ragdale, Hambleton, Condover, Brereton, Lilford, Longford, and many others, though not so famous, are no less interesting as examples of the style. The buildings selected are typical examples, chosen from the best that are available, and they range from Lancashire and Yorkshire in the North, to Devon and Kent in the South; stone, brick, and timber-built structures being all represented.

The photographic plates will comprise general views of the buildings, both exterior and interior, with special features to a larger scale; and although taken mainly from Domestic work, there will be a few notable monuments from Churches as well as woodwork from the same sources. In addition to the photographic plates there will be given twenty sheets of measured details, reproduced by photo-lithography from drawings specially prepared for the work, comprising some of the features given in the views as well as many others not suitable for photographic illustration.

The Text will be interspersed with about a hundred small sketches of other interesting features such as balustrades, dormer windows, corbels, groining bosses, carved panels, staircases, glazing, etc., etc., as well as some plans of buildings, and profiles of the principal mouldings. By this means it is hoped to make the work far more useful than it would be were it merely a collection of general views, and to render it not only a valuable study-book for the Architect, but of great interest to all who take pleasure in the remains of the richest period of Domestic Architecture which England has witnessed.

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BUILDING INTELLIGENCE.

Malden, Mass.—Alterations to frame dwell.; owner, Mrs. Vannevar; contract to be let; architects, Loring & Phipps, Boston.

Somerville, Mass. — *Belmont St.*, alterations to frame dwell.; owner, J. B. David; contract to be let; architects, Loring & Phipps, Boston.

St. Louis, Mo. — Repair four-st'y brick store; cost, $3,000; owner, Henry Shaw estate; contractors, B. Lynds & Co.

APARTMENT-HOUSES.

Brooklyn, N. Y. — *Tenth St.*, s s, 215′ 9″ w Eighth Ave., 4 three-st'y brick flats, tin roofs; cost, $4,000; owner, architect and builder, L. Bovert, 528 Tenth St.

Chicago, Ill. — M. Monday, two-st'y flats, 867 West Seventeenth St.; cost, $3,000.

S. D. Foss, three-st'y flats, 3351-53 Indiana Ave.; cost, $12,000.

Charles Kelley, 2 two-st'y flats, 5914 Emerald St.; cost, $2,500.

Peter Oberg, two-st'y flats, 216-218 Laflin St.; cost, $5,000.

L. J. Carlson, two-st'y flats, 5153 School St.; cost, $2,500.

Emil Shryer, two-st'y flats, 5324 Monroe St.; cost, $4,000.

Jerry Holland, 2 two-st'y flats, 4318 Calumet Ave.; cost, $5,000.

James Griffin, two-st'y flats, 6012 Evans Ave.; cost, $1,000.

Delia M. Simonds, three-st'y flats, 4314 Berkley Ave.; cost, $6,000.

St. Louis, Mo. — Two-st'y brick flats; cost, $6,350; owner, Miss S. Stephen; contractor, L. Hermann.

Worcester, Mass.—Four-st'y brick and stone apartment block; owner and contractor, George Pierce; architect, W. H. Harvey.

Outfall Ave., three-st'y frame apartment-house; owner, J. Tatman; contractor, C. A. Stone.

CHURCHES.

Cambridge, Mass.—North Ave. M. E. Church, stone edifice, Romanesque style; architect, A. P. Cutting, Worcester; contracts let.

Danville, Va. — Church, to cost $40,000; architect, W. M. Poindexter, Washington, D. C.

Downington, Pa. — A new Baptist Church; cost, about $8,000.

Philadelphia, Pa.—*Oak Lane and Motte St.*, one-st'y church; contractor, B. Frank Livezey, 625 Walnut St.

St. Louis, Mo. — Brick church; cost, $11,300; owner, E. Gemeide; contractor, J. H. Remmers.

FACTORIES.

Boston, Mass. — *Simmons St., Nos.* 12-20, Ward 19, five-st'y brick factory, flat roof, 80′ x 162′; owner and builder, A. J. Tower.

HOSPITALS.

Portsmouth, N. H. — Naval hospital for the U. S. Government; cost, $40,000; architect, W. M. Poindexter, Washington, D. C.

HOTELS.

Bedford City, Va. — Hotel, to cost $75,000; architect, W. M. Poindexter, Washington, D. C.

Philadelphia, Pa.—*Front and Cumberland Sts.*, s w cor., John E. Hogan is having plans drawn for a large four-st'y brick hotel to be built in the spring.

Shenandoah, Va.—Hotel, to cost $40,000; architect, W. M. Poindexter, Washington, D. C.

HOUSES.

Baltimore, Md. — Edward J. Roberts, three-st'y brick dwell., e s St. Paul St., bet. First and Second Sts.

James W. Paca, 10 three-st'y brick dwells., w s Carey St., beg. n w cor. Riggs Ave.

H. M. Reinhart, 10 two-st'y brick dwells., e s Stockton St., n Riggs Ave.

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BUILDING INTELLIGENCE.

Bernard Link, three-st'y brick dwell., e s Washington St., s Lombard St.

Boston, Mass. — *Trenton St.*, cor. White St. (East Boston), brick dwell., 26′ x 57′; owner, J. B. Maccabe; contract to be let; architects, Loring & Phipps, Boston.

Idaho St., cor. unnamed st., Ward 24, frame dwell., 23′ x 44′; owner, Ansley Brinton; builders, Chute Bros.

Laurial Ave., Ward 24, frame dwell., 21.3′ x 25′; owner, F. L. Cressy; builders, Whittaker Bros.

Schiller St., near Heath St., Ward 22, three-st'y frame dwell., flat roof, 22′ x 38′; owner and builder, M. J. O'Brien.

Beacon St., No. 491, cor. West Chester Park, Ward 22, four-st'y brick dwell. and store, flat roof, 48′ x 53′; owner, Seth R. Baker; builder, John Hurley.

West Chester Park, No. 466, Ward 22, four-st'y brick dwell., flat roof, 30′ x 42′; owner, Seth R. Baker; builder, John Hurley.

Brooklyn, N. Y. — *Harrison Ave.*, n w cor. Rutledge St., three-st'y brick dwell., tin roof; cost, $4,800; owner, Henry Moeller, 174 Middleton St.; architect, A. Herbert, 145 Broadway.

Hart St., n s, 278′ e Nostrand Ave., 4 two-and-one-half-st'y brick dwells., tin roofs; cost, $6,000 each; owner, Thos. E. Greenland, 28 Hart St.

Indies St., n s, 175′ e Manhattan Ave., three-st'y frame dwell., gravel roof; cost, $4,500; owner, T. Desmond, 200 Huron St.; architect, C. Dunkhase, 44 Manhattan Ave.

Stockholm St., n s, 200′ e Hamburgh Ave., 2 three-st'y frame dwells., tin roofs; cost, $3,800 each; owners and builders, Schneider & Winterrath, 123 Troutman St.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Jefferson Ave., n s, 95′ e Stuyvesant Ave., 4 three-st'y brick dwells., tin roofs; cost, $7,000 each;

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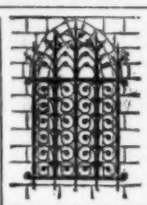

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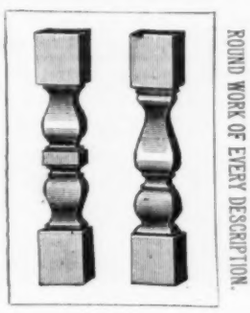

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owner, Louis Acor, 197 Bainbridge St.; architect, John E. Dwyer, 1558 Broadway.

Macon St., n s, 23′ w Howard Ave., 4 two st'y brick dwells., tin roofs; cost, $4,500 each; owner, E. J. Ames, 1002 Halsey St.; architect, F. W. Ames, 1002 Halsey St.

Kingsland Ave., w s, 95′ s Van Cott Ave., 3 two-st'y frame dwells., gravel roofs; cost, $4,000 each; owner, Michael Newman, 191 Nassau Ave.; architect, J. F. Conlon, 732 Leonard St.

Buffalo Ave., e s, 138′ 7″ n Atlantic Ave., 3 two-st'y frame dwells., tin roofs; cost, $2,000 each; owner, Herman J. Warner, 43 Buffalo Ave.; architects, Amzi Hill & Son, 1161 Fulton St.

Quincy St., s e cor. Throop Ave., four-st'y brick dwell., tin roof; cost, $10,000; owner, Wm. Gibson, 637 Lafayette Ave.; architects, J. D. Reynolds & Son, 368 Fulton St.

Suydam St., No. 78, bet. Bushwick and Myrtle Aves., four-st'y frame dwell., tin roof; cost, $5,000; owner, H. Brookman, 80 Suydam St.; architect, Henry Vollweiler, 486 Hart St.

Elton St., e s, 333′ 5″ n Atlantic Ave., 3 two-st'y frame dwells., tin roofs; cost, $2,200 each; owner, S. J. Morehouse, 516 Lexington Ave.; architect, D. B. Morehouse, 516 Lexington Ave.

Camden, N. J. — *Market St., No.* 921, brick dwell.; owner, W. J. Aitken.

North Tenth St., No. 121, two-st'y brick dwell.; owner, W. C. Aitken, 911 Market St.

Front St., cor. State St., 6 three-st'y brick dwells.; owners, Robert Kaighn and James Cooper.

Florence Ave., No. 817, one-and-a-half-st'y frame dwell.; owner, Fred L. Reemer, on premises.

Ferry Ave., n s, e Eighth St., two-st'y brick dwell.; owner, W. H. Jones.

Chestnut Hill, Mass. — *Argyle Road*, frame dwell., 44′ x 80′; owner, Benj. Phipps, Chelsea; contract to be let; architects, Loring & Phipps, Boston.

Milford, Mass. — Two-st'y frame dwell.; owner, C. R. Scott; architects, W. H. Harvey, Worcester; no contracts let.

BUILDING INTELLIGENCE.

Philadelphia, Pa. — *Twenty-second St.*, s w cor. Park St., 5 two-st'y dwells.; owner, Adam Miller, 3606 North Fifteenth St.

New Kirk St., e and w s, w s, Twenty-eighth St., s Jefferson St., 62 three-st'y dwells.; owner, W. T. B. Roberts, Twenty-ninth and Master Sts.

Powelton Ave., n s, w Thirty-third St., 7 three-st'y dwells.; owner, T. H. Doan, 3827 Baring St.

Tenth St., e s, s Champlose St., two-st'y frame dwell.; contractor, Jos. F. Myers, 516 Willow St.

Foulkrod St., e s, n P St., two-st'y dwell.; owner, Osborn Bros., 4932 Cherry St.

Twenty-second St., s w cor. Park St., 5 two-st'y dwells.; owner, Adam Miller, 3606 North Fifteenth St.

Sydenham St., w s, n Lehigh Ave., 9 two-st'y dwells.; owner, Frank Ruckle, Fifteenth St. and Lehigh Ave.

Twenty-second and Greene Sts., three-st'y brownstone dwell.; cost, $250,000; owner, Mr. Wm. H. Kemble; architects, Jas. H. Windrim & Son.

Snyder Ave., n s, w Dillmore St., 2 two-st'y dwells.; owner, F. A. Robinson, 1341 South Eighth St.

Richmond, Va. — Dwell., Franklin St.; cost, $20,000; owner, S. Hirsh; architect, W. M. Poindexter, Washington, D. C.

St. Louis, Mo. — Two-st'y brick dwell.; cost, $2,500; owner, H. Korzendorf; contractor, J. C. Brockmeier.

Three-st'y brick dwell.; cost, $4,350; owner, F. Varrellman; contractor, C. H. Taacke.

Two-st'y brick dwell.; cost, $5,100; owner, Wm. Turner; contractor, J. Fisher.

Two-st'y brick dwell.; cost, $3,200; owner, W. R. Pritchard; contractor, F. H. Fricke.

Two-st'y brick dwell.; cost, $2,700; owner, Mrs. M. Schery; contractors, Kluthe & Boeke.

Four two-st'y brick dwells.; cost, $10,000; owner and contractor, M. B. Scanlon.

Washington, D. C. — Dwell., Connecticut Ave.; cost, $12,000; owner, Charles Early; architect, W. M. Poindexter.

Dwell., Connecticut Ave.; cost, $14,000; owner and contractor, W. M. Poindexter.

Worcester, Mass. — Two-st'y frame dwell.; owner, S. W. Stockwell; architect, W. H. Harvey.

Gilman St., one-st'y frame dwell.; owner and contractor, F. W. Barnes.

Russell St., three-st'y frame dwell.; owner, Mrs. Avis Finn; contractor, F. H. Holland.

Perry Ave., one-st'y frame dwell.; owner and contractor, R. W. Sutherland.

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Chicago, Ill. — Columbian Vault Co., sixteen-st'y building, 120-128 Dearborn St.; cost, $250,000.

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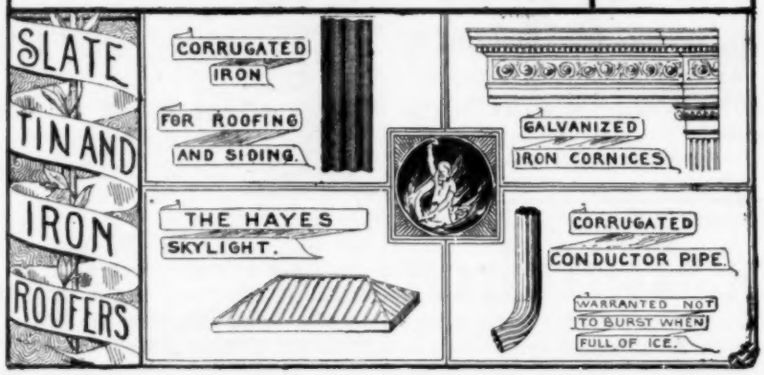

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$300,000; owner, C. C. Delmonico, 229 West Fourteenth St.; architect, James Brown Lord, 121 East Twenty-third St.

Forty-first St., Nos. 117-121, *and Forty-second St., Nos.* 112-114, four-st'y brick office-building; cost, $225,000; owner, Oscar Hammerstein, 2323 Seventh Ave.; architects, J. B. McElfatrick & Son, 1193 Broadway.

Philadelphia, Pa.—*Frankford Ave. and Clementine St.*, two-st'y office-building; contractor, F. G. English, 1978 Hunting Park Ave.

Woodland Ave., s s, e Sixty-fifth St., one-st'y office; owners, Thos. Gessner & Son, on premises.

St. Louis, Mo.—One-st'y brick office; cost, $25,000; owners, Liggett & Meyer Tob. Co.; sub-let.

SCHOOL-HOUSES.

Danville, Va.—School-house, to cost $20,000; architect, W. M. Poindexter, Washington, D. C.

Rockville, Conn.—St. Bernard's Roman Catholic Society, three-st'y brick school and convent building; cost, $55,000.

Worcester, Mass.—*Chatham St.*, four-st'y brick and stone high-school building; owner, City of Worcester; architects, Barker & Nourse; contracts not let.

STABLES.

Brooklyn, N. Y.—*Fulton St.*, s s, 160′ e New York Ave., one-st'y brick stable, felt and gravel roof; cost, $5,000; owner, Bernard Schumacher, Fulton and Marcy Aves.; architect, James Sheridan, 218 Herkimer St.

Boerum St., n s, 150′ w Graham Ave., two-st'y frame stable and carriage-house, gravel roof; cost, $5,000; owner, George Peth, 127 Boerum St.; architect, A. Herbert, 145 Broadway.

Camden, N. J.—*Jefferson St.*, s s, w Twenty-eighth St., two-st'y stable; owner, W. T. B. Roberts, Twenty-ninth and Master Sts.

Ralston St., n s, w Twenty-fifth St., two-st'y stable; contractor, D. P. O'Neill, 776 North Twenty-fifth St.

Washington St., s s, s Musgrove St., one-st'y stable; contractor, Howard Rue, 5259 Adams St.

Cherry St., No. 517, two-st'y brick stable; owners, Wilkins & Co.

Spruce St., No. 909, two-st'y frame stable; owner, W. C. Kean.

Chicago, Ill.—F. Reese, two-st'y barn, 596-600 Wells St.; cost, $2,000.

S. W. Rawson, two-st'y barn, Ellis Ave. and Fiftieth St.; cost, $15,000.

Haverford College, Pa.—Constable Bros., 151 Broadway, New York, and 902 Walnut Street, Philadelphia, have plans on the boards for three stables for Wilcox, Lesley & Farrelly.

New York, N. Y.—*Seventy-second St.*, n s, 30′ w Lexington Ave., five-st'y brick stable tin roof; cost, $100,000; owner and architect, Lorenz Weihr, 14 East Seventy-sixth St.

Philadelphia, Pa.—*Second St.*, w s, n Moore St., one-st'y stable; owner, Albert Wells, 1728 South Second St.

Sixth St., n e cor. Mifflin St., one-st'y stable; owner, Ernest Stubing, n w Sixth and Mifflin Sts.

Tacony St., e s, s Bridge St., two-st'y stable; owner, Adam Metzger, 5127 Tacony St.

Frankford Ave., s Bridge St., two-st'y stable; owner, S. Stobbs, 5028 Dittman St.

Viola St., n s, w Fiftieth St., one-st'y stable and coach-house; owners, Wm. Steele & Son, 506 Walnut St.

Bainbridge St., No. 1107, two-st'y stable; contractor, Wm. Smith, 2335 South Broad St.

Mansion Ave., w s, s Cumberland St., two-st'y stable; contractor, R. R. Geyer, 1647 Cadwallader St.

St. Louis, Mo.—Two-st'y brick stable; cost, $3,500; owner, A. Brockland; contractors, Barmhoff & Caudle.

Two-st'y brick stable; cost, $2,500; owner, F. Stahl; contractors, Mier & Mung.

Worcester, Mass.—*Chandler St.*, frame stable; owner, A. C. Homer; contractors, G. S. & H. G. Hadley.

STORES.

Brooklyn, N. Y.—*Greenpoint Ave.*, s s, 211′ w Manhattan Ave., two-st'y brick store and storage warehouse, gravel roof; cost, $7,060; owner, L. Chevallier, 410 Manhattan Ave.; architect, C. Dunkhase, 44 Manhattan Ave.

Columbia St., n w cor. Boune St., 2 four-st'y brick stores and tenements, tin roofs; total cost, $8,000; owners, M. Gibbons & Sons, 318 Columbia St.; architect, J. W. Bailey, 66 Court St.

Flushing Ave., n s, 66′ w Vandervoort St., 2 three-st'y frame stores and dwells., tin roofs; total cost, $7,000; owner, W. Pleyer, 134 Throop Ave.; architect, E. Schrempf, 36 Montieth St.

Jackson St., n s, 150′ w Lorimer St., three-st'y frame store and dwell., tin roof; cost, $5,000; owner, George Ledogar, 149 North Sixth St.

Sutter Ave., s s, 25′ w Osborn St., three-st'y frame store and dwell., tin roof; cost, $3,000; owners, Samuelson & Ronzinsky, Watkins St., near Sutter Ave.

Suydam St., s s, 250′ e Hamburgh Ave., three-st'y frame store and dwell., tin roof; cost, $4,000; owners, Spat & Ganger, 1120 Willoughby Ave.; architect, Henry Vollweiler, 486 Hart St.

Columbia St., e s, 58′ s Degraw St., four-st'y brick store and dwell., cement and gravel roof; cost, $12,500; owner, B. B. Hadfield, agent, 195 Columbia St.; architect, M. J. Morrill, 357 Fulton St.

Leonard St., n e cor. Frost St., three-st'y frame dwell., tin roof; cost, $6,500; owner, Fred Hower, Rodney and Kent Aves.; architects, Danmar & Fischer, 38 Park Row, New York City.

Third St., s e cor. Seventh Ave., four-st'y brick store and dwell., tin roof; cost, $11,000; owner, Warren C. Fowler, Parkville; architect, John L. Young, 287 Halsey St.

Gates Ave., n s, 100′ w Throop Ave., 7 four-st'y brick stores and dwells., gravel roofs; cost, $10,000; owner, Benj. F. Briggs, 448 Willoughby Ave.; architect, George M. Lewton, 556 Madison St.

Willoughby Ave., s s, 175′ w Knickerbocker Ave., 3 three-st'y frame stores and dwells., tin roofs; cost, $4,500 each; owners, A. Amann & Son, 1135 Willoughby Ave.; architects, David Acker & Son, 752 Broadway.

Chestnut St., n e cor. Fulton St., three-st'y frame store and dwell., tin roof; cost, $7,000; owner and architect, P. W. Reilly, 118 East Eighty-second St.

Chester St., e s, 225′ n Eastern Parkway, three-st'y frame store and dwell., tin roof; cost, $3,000; owner, Emil Reineking, Sheffield and Liberty Aves.; architect, A. J. Warren, 2583 Atlantic Ave.

Smith St., n e cor. Fourth St., four-st'y brick store and dwell., tin roof; cost, $9,000; owner, Thomas Keogh, 169 Luqueer St.

Ralph Ave., s w cor. Halsey St., four-st'y brick store and apartment-house, tin roof; cost, $15,000; owners, E. E. Dieter and R. Mullowney, 186 Remsen St.; architect, Robt. Dixon, 219 Montague St.

Suydam St., n s, 175′ e Hamburg Ave., three-st'y frame store and dwell., tin roof; cost, $4,400; owner, John Clement, 252 Suydam St.; architect, E. Schrempf, 36 Monteith St.

Rockaway Ave., w s, 150′ n Eastern Parkway, 2 three-st'y frame stores and dwells., tin roofs; total cost, $8,200; owner, B. J. Pink, 76 Pennsylvania Ave.; architects, Danmar & Fischer, 2921 Atlantic Ave.

Moore St., n s, 504′ 5½″ w White St., three-st'y frame store and dwell., tin roof; cost, $4,000; owner, Michael Mayer, 187 Moore St.; architect, Th. Engelhardt, 905 Broadway.

Franklin Ave., s e cor. Park Pl., 5 four-st'y brick stores and dwells., tin roofs; total cost, $30,000; owner, Thos. Monahan, 633 Douglass St.; architect, W. M. Coots, 26 Court St.

Hamilton Ave., s s, 28′ e Henry St., four-st'y brick store and dwell., tin roof; cost, $6,500; owner, John Caulfield, 262 Hamilton Ave.; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

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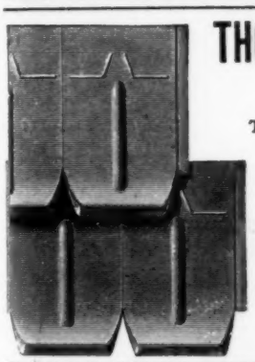

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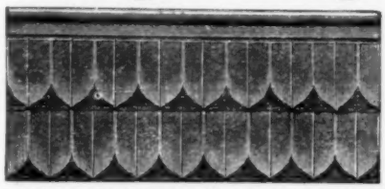

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BUILDING INTELLIGENCE.

brick store and dwell., tin roof; cost, $11,500; owner, Wm. Irvine, 395 Ninth St.; architect, John C. Burne, Third Ave. and Eighty-sixth St., New York City.

Nostrand Ave., w s, 30' n Monroe St., four-st'y brick store and dwell., tin roof; cost, $8,500; owner, Wm. Irvine, 395 Ninth St.; architect, John C. Burne, Third Ave. and Eighty-sixth St., New York City.

Camden, N. J.—*Kaighn's Ave., No.* 35, brick store; owner, E. F. Jones.

Woodland Ave., bet. Seventh and Eighth Sts., frame store; owner, Thomas F. Adams, 2254 South Eighth St.

Chicago, Ill.—William Griffith, three-st'y store and flats, 61 Willow St.; cost, $3,000.

William Schlick, two-st'y store and flats, 4461 Wentworth Ave.; cost, $3,000.

M. Huck, store and dwell., 1469 West Lake St.; cost, $1,500.

G. A. Arnold, two-st'y store and dwell., 3221 State St.; cost, $1,500.

Gustav Hauck, three-st'y store and dwell., 164 Willow St.; cost, $1,500.

G. Weise, three-st'y store and flats, 1414 West Twenty-second St.; cost, $4,000.

C. Eldridge, two-st'y store and flats, 484 West Forty-eighth St.; cost, $2,300.

C. Branel, four-st'y store and flats, 1559 West Twelfth St.; cost, $8,000.

J. P. Giblin, three-st'y store, hall and flats, 326-328 Halsted St.; cost, $15,000.

J. Arcerle, two-st'y store and flats, 1433 West Forty-first St.; cost, $1,000.

D. Herrley, store and dwell., Morgan and Forty-eighth Sts.; cost, $1,000.

B. Goldstein, two-st'y store and dwell., 4804 Ashland Ave.; cost, $2,000.

J. Meyer, three-st'y store and dwell.; cost, $6,000.

F. Moneberg, three-st'y store and flats, 970 Van Horn St.; cost, $6,000.

H. Schwamborn, two-st'y store and dwell., 3539 South Halsted St.; cost, $2,100;

I. I. Hackett, three-st'y store and flats, 1529 West Madison St.; cost, $10,000.

J. Loeffel, three stores and flats, 903 West Halsted St.; cost, $7,000.

John Meadoy, two-st'y store and flats, 8819 Houston Ave.; cost, $2,000.

BUILDING INTELLIGENCE.

D. Gleeson, three-st'y store and flats, 5489 Lake St.; cost, $5,500.

Frank Leoni, three-st'y store and flats, 1306 West Madison St.; cost, $7,000.

Otto M. Loehrke, three-st'y store and flat, 724 North Leavitt St.; cost, $4,500.

Vopica Kubin, one-st'y store, 4936 Loomis St.; cost, $1,000.

W. Haight, two-st'y store and dwell., Seneshal and Root Sts.; cost, $2,600.

C. F. Hanson, two-st'y store and flat, 4602 State St.; cost, $1,900.

William Temple, two-st'y store and flats, 1204 Wrightwood Ave.; cost, $3,000.

F. A. Rich, two-st'y store and dwell., Lincoln and Indiana Sts.; cost, $1,800.

Arthur Walters, two stores, 6304-06 Cottage Grove Ave.; cost, $2,000.

Charles Brown, two-st'y store and flats, Armitage St., near Ballou St.; cost, $1,400.

Anton Dutek, three-st'y store and flats, 973 South California Ave.; cost, $7,000.

A. Lynn, two-st'y store and flats, 141 North Market St.; cost, $5,000.

G. J. Gegenheimer, two-st'y store and flats, Armitage Ave. and Tripp St.; cost, $1,000.

George F. Houslein, two-st'y store and flats, 80 Fullerton Ave.; cost, $5,000.

Thomas & Son, three-st'y store and flats, 945 West Lake St.; cost, $5,000.

W. D. Humford, 4 three-st'y stores and flats, Seventy-first St. and R. I. R. R.; cost, $15,000.

Minneapolis, Minn.—Lambert Hayes, five-st'y brick store and theatre entrance, 18-22 Washington Ave., n; cost, $25,000.

Philadelphia, Pa.—*New Kirk St.*, e and w s, s Jefferson St., 4 three-st'y stores and dwells.; owner, W. T. B. Roberts.

(*Continued on page* xxiv.)

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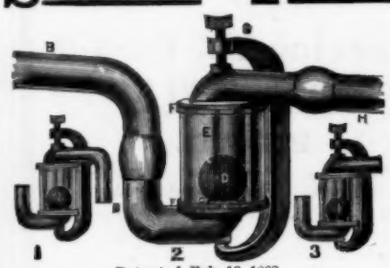

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Bechin St., s e cor. Fountain St., three-st'y store and dwell.; owner, Samuel Groce, Gleason above Tibbin Sts.

Front St., n e cor. Snyder Ave., two-st'y store and dwell.; owner, J. P. Leonard, 812 North Twenty-seventh St.

Moyamensing Ave., n e cor. Snyder Ave., three-st'y store and dwell.; owner, J. J. Cassidy, Moyamensing and Snyder Aves.

Nineteenth St., s e cor. Moore St., two-st'y store and dwell.; owner, Geo. A. Wagner, 1749 South Nineteenth St.

Market St., No. 1031, one-st'y store; owner, Jno. W. Hallahan; contractor, S. R. Riley, 627 Filbert St.

St. Louis, Mo. — Two-st'y brick store; cost, $25,000; owner, H. L. Fox; contractors, Caugh & Mackey.

TENEMENT-HOUSES.

Springfield, Mass. — C. L. Goodhue, four-st'y brick tenement-block, Main St.; cost, abt. $40,000; contract not let.

THEATRES.

Boston, Mass. — *Washington St.*, cor. Motte St., No. 16, one-st'y brick Lyceum Theatre, pitch roof, 92.6′ x 104.6′; owner, J. J. Grace.

New York, N. Y. — *Forty-first St.*, Nos. 117-121, *and rear Forty-second St., Nos.* 112-114, three-st'y brick theatre, tin roof; cost, $225,000; owner, Oscar Hammerstein, 2323 Seventh Ave.; architects, J. B. McElfatrick & Son, 1193 Broadway.

WAREHOUSES.

Chicago, Ill. — H. M. Dupee, two-st'y storage warehouse, 2431-59 La Salle St.; cost, $13,500.

T. Pumplea, four-st'y warehouse, 17-19 Fifteenth St.; cost, $5,000.

M. S. Judah, three-st'y warehouse and flats, 137-141 Twenty-sixth St.; cost, $25,000.

John J. Hadenoch, four-st'y warehouse, 55 Meridian St.; cost, $20,000.

H. C. Nieman, three-st'y warehouse, 958 Rockwell St.; cost, $3,000.

St. Louis, Mo. — Frame warehouse; cost, $3,000; contractors, St. Louis Hay Exchange.

MISCELLANEOUS.

Baltimore, Md. — A resolution has been introduced in the City Council appropriating $75,000 for the extension of the Richmond market-house and hall.

Boston, Mass. — *High St.*, cor. Hartford St., six-st'y brick and stone mercantile building, 74′ x 125′; first two stories granite, and upper stories of sandstone and brick; cost, $115,000; owner, Andrew G. Weeks; builders, Norcross Bros.; contractors for steamheating, U. S. Heating and Plumbing Co.; elevators, Whittier Machine Co.; architects, Shepley, Rutan & Coolidge.

Brooklyn, N. Y.—*Fifty-second St.*, s s, 220′ w Second Ave., frame power-station, tar and gravel roof; cost, $3,000; owners, Brooklyn City Railroad Co., 10 Fulton St.; architect, F. S. Pearson, 8 Oliver St., Boston, Mass.

Amity St., n e cor. Emmett St., three-st'y brick station-house, tin roof; cost, $39,800; owner, City of Brooklyn; architect, George Ingram, 357 Fulton St.

Harrison Pl., n s, 187′ w Morgan Ave., three-st'y brick orphan's home, tin and slate roof; cost, abt. $25,000; owners, Nuns of St. Dominic, Graham and Montrose Aves.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

R. C. Daus, the architect of the new armory of the 13th Regiment, has modified the plans so that the structure will cost $300,000, thus coming within the appropriation. He will curtail the height of the main administration building two feet, cut off 65 feet from the depth of the main administration building, and cut out two of the 12 company rooms.

Forrest St., n s, 123′ 7½″ e Bushwick Ave., 2 six and three st'y brick buildings, brewery and keg wash-houses, tin roofs; cost, $75,000; owners, Claus Lipsius Brewing Co., Bushwick Ave. and Forrest St.; architect, Th. Engelhardt, 905 Broadway.

Jackson St., s s, 225′ e Ewen St., four-st'y brick color-works, tin roof; cost, $7,000; owners, Valentine & Co., Ewen and Jackson Sts.; architect, M. Hillyer, 84 Bleecker St.

Camden, N. J. — *Sixth and Mechanic Sts.*, one-st'y iron boiler-house; owners, Jos. Rashin & Co.

Chicago, Ill.— Armour & Co., shop and barn, 936-940 Leavitt St.; cost, $10,000.

Post & Strong, two-st'y shop, Chauncey and West Seventy-seventh St.; cost, $1,500.

D. Ryan, two-st'y cooper-shop, 31-33 Coventry St.; cost, $4,000.

North End Bowling Club, one-st'y club-house, 37 Tell Ct.; cost, $2,000.

August Orplaph, three-st'y bakery and flats, 767-769 Indiana St.; cost, $11,000.

Danville, Va. — Town-hall and market; cost, $40,000; architect, W. M. Poindexter, Washington, D. C.

Holyoke, Mass. — Young Men's Christian Association, four-st'y brick building, High St.; cost, abt. $50,000.

New York, N. Y. — *Eleventh Ave.*, n e cor. Sixty-second St., five-st'y brick bakery; owner, Fred Egler, Jr.; architects, J. Boekel & Son.

Marlboro, Mass.—Three-st'y brick, stone and terra cotta grand army building; cost, $25,000; architect-W. H. Harvey, Worcester, Mass.; no contracts let.

Monson, Mass. — Frame creamery; contractor, T. J. Mills.

Montreal, P. Q. — *St. Sacramento, St. Peter and St. Nicholas Sts.*, six-st'y Board of Trade building, 112′ x 250′; Italian Renaissance style; rift-faced stone; to contain the Board of Trade room, Stock Exchange, and from second to sixth floors there will be offices and rooms for mercantile purposes; contracts to be let; architects, Shepley, Rutan & Coolidge, Boston, Mass.

Philadelphia, Pa. — *South Eighteenth St., No.* 1306, two-st'y back building; owner, F. L. Chestnut, on premises.

Cherry St., No. 4683, one-st'y back building; owner, George Renier, 1738 Foulkrod St.

Hope St., No. 2143, one-st'y kitchen; owner, Mrs. E. Cochran, 2143 Hope St.

Crown St., w s, n Callowhill St., four-st'y brewery; owners, John T. Betz & Son; architect, Otto C. Wolf, n e cor. Broad and Arch Sts.

Thirty-fourth St., e s, s Locust St., one-st'y animal house; two-st'y Institute Building; contractor, T. H. Doan, 3827 Baring St.

Henry St., s s, e Seymour St., two-st'y saw mill; contractor, B. P. Evans, Manheim and Knox Sts.

Sixteenth St., e s, n Indiana Ave., one-st'y weave shed; contractor, W. H. Bilyeu, Sixteenth St., n Indiana Ave.

Mifflin St., s s, w Ridge Ave., two-st'y front building; owner, Henry J. Becker, 3637 Fairview St.

Ann St., n w cor. Thomas St., two-st'y shop; contractor, Amos R. Crosta, 4536 Salmon St.

Erie Ave., n s, w Trenton Railroad, one-st'y storehouse; contractors, Ploucher & Shoch, Walker St., Wissinoming.

Federal St., No. 1639, two-st'y back building and bay; contractors, Cooling & Bruce, 1902 Federal St.

North Twentieth St., No. 1703, two-st'y back building; owner, Robert Watt, 1701 North Twentieth St.

East Montgomery Ave., No. 1326, two-st'y back building; contractors, Jas. Macauley & Sons, 1328 East Montgomery Ave.

Kensington Ave., n w cor. K St., two-st'y back building; owner, Chas. Williams, on premises.

Sixteenth St., s w cor. Locust St., three-st'y back building; owners, H. H. Williams & Sons, 402 Tenor Pl.

Florida St., No. 707, one-st'y kitchen; owner, Jas. H. Fanes, 712 Florida St.

Croskey St., No. 1910, two-st'y back building; owner, W. M. Douglass, on premises.

South Third St., No. 920, two-st'y back building; contractor, John Shorter, 830 Wharton St.

Sixteenth St., n e cor. Callowhill St., six-st'y storehouse; owners, A. H. Williams & Sons, 402 Tenor Pl.

Federal St., s s, e Fifteenth St., three-st'y shop; owner, John T. Henry, 1158 South Fifteenth St.

Wellington St., No. 1315, two-st'y back building; owner, Theo. Robertson, on premises.

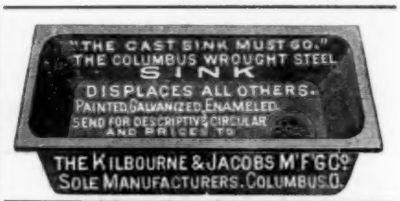
Ridge Ave., n Crease's Lane, two-st'y kitchen and back building; contractor, Henry C. Hays, Ridge Ave., opp. Crease's Lane.

Springfield, Mass. — U. S. Government Building, three-st'y fireproof machine-shop; cost, $106,950; contractors, Darling Bros., Worcester.

St. Louis, Mo.—Six-st'y frame stock-house; cost-$50,000; owners, St. Louis Brewing Association; sub-let.

Worcester, Mass.—*Lake View*, two-st'y frame club-house; owner, H. H. Bigelow; contractors, Ward & Blanding.

COL. GEORGE E. WARING, Jr., C. E. etc., in his recent work on Sewerage and Land Drainage, in speaking of traps liable to siphonage, says: "the best remedy would be to supply the defective traps at their summits with McClellan's Mercury Seal-Trap Vent, a perfectly safe device, of little cost, simple and easy of application, and sure to supply air when needed."



PROPOSALS.

Lake View, frame grand stand; owner, H. H. Bigelow; contractors, Ward & Blanding.

PROPOSALS.

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Tenders are invited for the erection of bowling-alleys in the new Athenæum Club Building, Church Street, Toronto, Canada.

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March 4, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 30th day of March, 1891, for all the labor and materials required to do all the decorative painting, polishing, etc., for the United States Court-house and Post-office building at Concord, N. H., in accordance with specification and general drawings, copies of which may be seen at this office or the office of the Custodian at Concord. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for Painting, etc., for the United States Court-house and Post-office building at Concord, N. H.," and addressed to JAS. H. WINDRIM, Supervising Architect. 795

Proposals for Boilers, Pipe, Fittings, etc. Office of Building for Library of Congress, 145 East Capitol Street, Washington, D. C., March 7, 1891. Separate sealed proposals from manufacturers will be received at this office until 2 P. M. on Thursday, the 2d day of April, 1891, and opened immediately thereafter in presence of bidders, for furnishing and delivering at the site of the building for the Library of Congress, in this city, the following fixtures, fitting and materials for heating and power apparatus, namely: Class 1: Shell-boilers, fronts and trimmings, water-heaters, tanks, etc. Class 2: Cast-iron flange-pipe, hot-water coils, man-hole doors, etc. Class 3: Fittings for wrought-iron pipe, valves, steam traps, galvanized sheet-iron pipes, etc. Class 4: Wrought-iron, plain and galvanized pipe. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application to this office. BERNARD R. GREEN, Superintendent and Engineer. 795

February 26, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 24th day of March, 1891, for all the labor and materials, and fixing in place complete, the low-pressure, steam-heating and mechanical ventilating apparatus for the United States Post-office, etc., building at Brooklyn, N. Y., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Brooklyn, N. Y. Each bid must be accompanied by a certified check for $500. The Department will reject all bids received after the time herein stated for opening the same, also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-pressure, Steam-heating and Mechanical Ventilating Apparatus for the United States Post-office, etc., building at Brooklyn, N. Y.," and addressed to JAS. H. WINDRIM, Supervising Architect. 794

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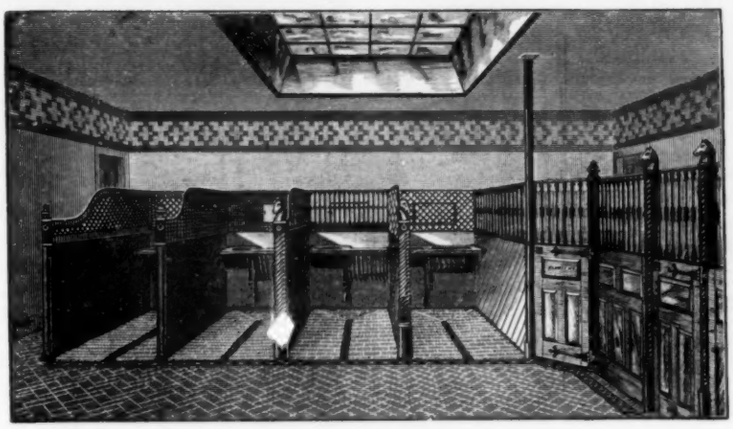

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[*See Alphabetical Index on page VII for Pagination.*]

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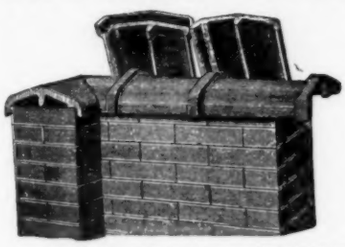

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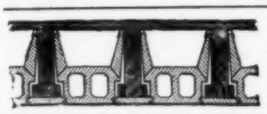

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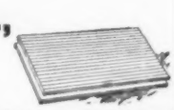

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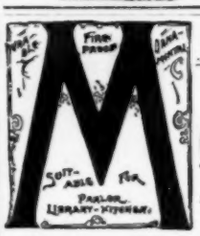

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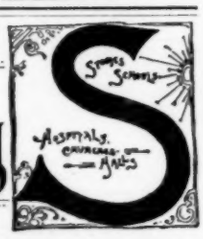

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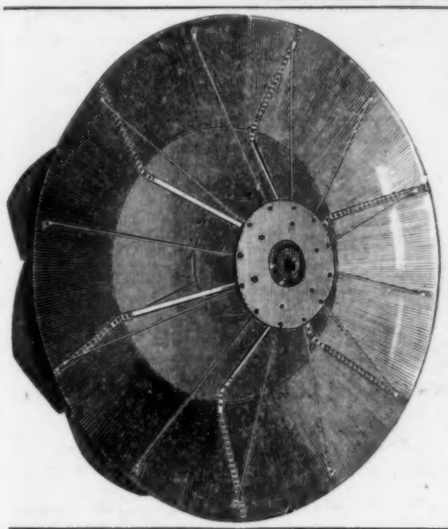

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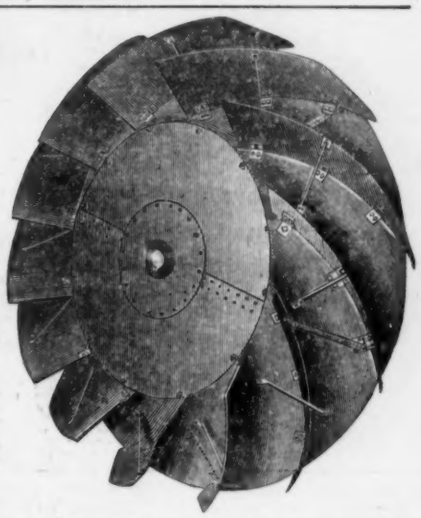

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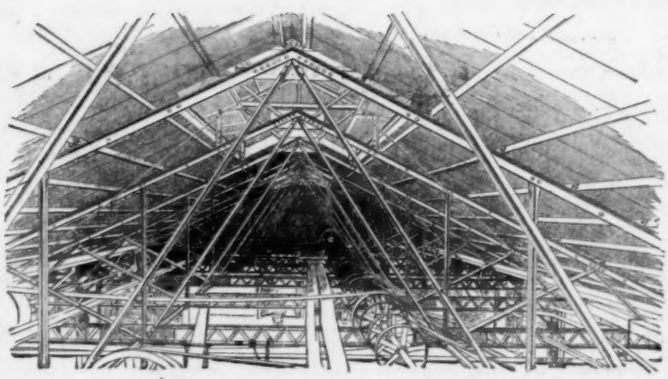

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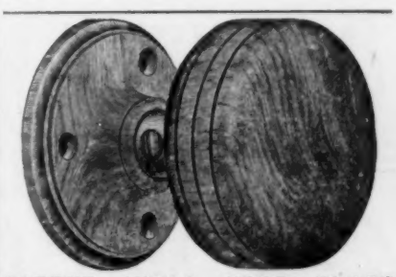

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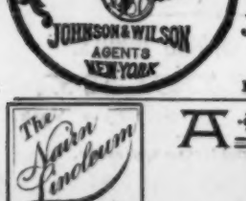

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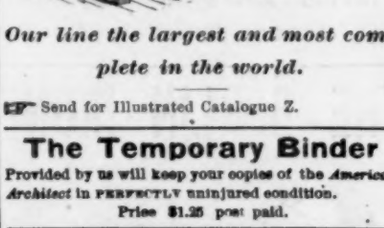

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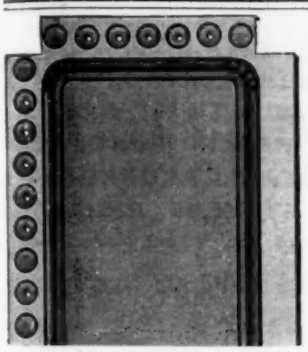

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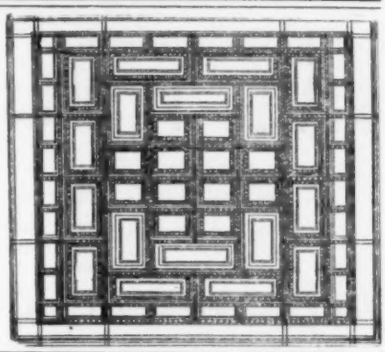

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Drawings rendered in line or color with reasonable despatch.
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Positively Burglar-proof, cannot be Cut, Sawed, or Drilled,
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BUILDING MATERIALS.

Reported for the American Architect and Building News.

	New York. (Wholesale Prices.)	Boston. Prices to Builders and Contractors.	Chicago.	Philadelphia. In Yard.
BRICK.—₱ M.				
Common: *Cargo about.*				
Pale	2 75 @ 3 00	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 9 00
Jersey	4 50 @ 5 50	Bay State Hard 8 00 @ 9 00		" @ 7 0
Long Island	5 75 @ 6 00	Domestic Com. 2 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Salmon 5 0
Up River		Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 6
Haverstraw Bay 2nd	5 75 @ 6 00	Philadelphia 40 00 @ 45 00		Light Stretchers @ 10 00
" 1st	6 00 @ 6 25	Phila. mould 50 00 @ 80 00		Medium " @ 12 00
Hollow	@ 13 00		15 00 @ 27 00	Red " @ 13 00
Fronts			65 00 @ 350 00	Dark " @ 13 00
Croton, Brown	@ 13 00	Anderson 14 00 @ 32 00	@ 55 00	Pressed 18 00 @ 20 00
" dark	@ 14 00		45 00 @ 50 00	Best Paving @ 14 00
" red	@ 14 00		45 00 @	Second " @ 13 00
Chicago pressed (Anderson)			25 00 @	Third " @ 12 00
Chicago Moulded			60 00 @ 100 00	
Baltimore	37 00 @ 41 00		30 @	
Philadelphia	23 00 @ 24 00		35 @	
Trenton	22 00 @ 23 00		55 00 @ 65 00	
Milwaukee				Dom. @ @
Moulded:			@ 100 00	
Glens Falls Red Pressed	@ 37 00		@ 120 00	
" " Buff "	@ 30 00			
" " Moulded Red & Buff	45 00 @ 70 00			
Enamelled: *Imp.*				
Enamelled (edge.)	85 00 @ 100 00			
Enamelled (edge and end)	90 00 @ 115 00			
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	1 10 @ 1 25	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co	1 05 @ 1 30	B S & Co 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra		Josson
" " (Lagerdofer)		2 55 @ 3 0	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not Sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85	2 15 @ 2 50	*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45	@ 3 00	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	@ 6 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	11 50	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25		9 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime 25 @ 30 ₱ bush
Hydraulic Lime	@ 1 45	@ 1 35		White Mass 1 25 @ 1 50
Chicago Lime in bulk		St. ohn 1 00	55 @	1 00 @ 1 00
Wisconsin "		@ 1 05	60 @	
Rockland and Rockport, (Com.)	@ 90	@ 1 10	*Not sold.*	
Rockland and Rockport, finish	@ 1 10	@ 1 20	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	*Not sold.*	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	
State, finishing "	@ 1 05	1 85 @ 2 00	*Not sold.*	*Not sold.*
Plaster of Paris (calcined.)	1 20 @ 1 25	@ 2 25	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	25 @ 30	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ bush	16 @ 18	@ 30	20 @ 25	20 @ 25
" (Goat)	20 @ 22	1 75 @ 1 90	30 @ 35	30 @ 35
Sand, ₱ load	1 00 @ 1 25		@ 60	@ 1 50
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)		@ 60		55 @ 65
Limestone:	45 @ 1 25			
Bedford	@ 1 00	95 @ 1 00	35 @ 55	75 @ 90
Joliet			35 @ 60	Richmond
Lemont				*75 @ 1 00

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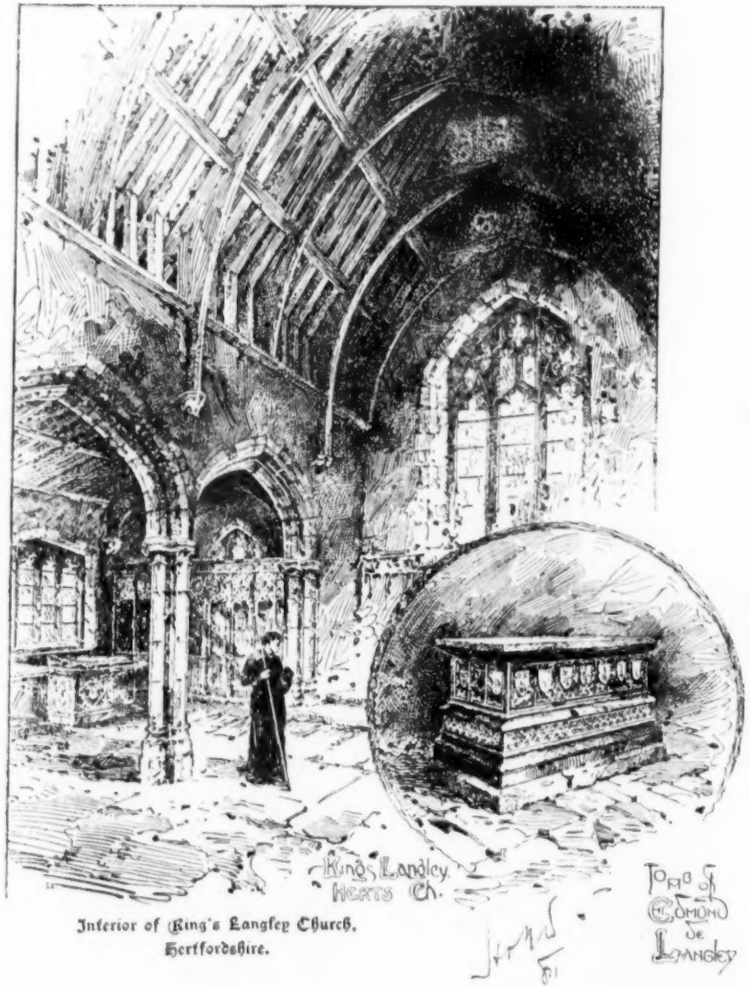

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The St. Louis Adamant Plaster Co., 6 to 16 North 2d Street, St. Louis, Mo.
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The Ohio Plaster Co., 5 Euclid Avenue, Cleveland, Ohio.
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The Indiana Adamant Plaster Co., 196 Maryland Street, Indianapolis, Ind.
The Detroit Adamant Wall Plaster Co., 88 Griswold Street, Detroit, Mich.
The Michigan Adamant Plaster Co., 39 N. Division St., Grand Rapids, Mich.
The Kansas City Adamant Plaster Co., 517 N. Y. Life Bldg., Kansas City, Mo.
The Tennessee Adamant Co., 715 Line Street, Nashville, Tenn.
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	New York. (*Wholesale Prices.*)	Boston. (*Prices to Builders and Contractors.*)	Chicago.	Philadelphia.
Mortar Colors.				
Black, brown, buff ℔ lb.	@ 2½			
Coloritic ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	℔ 5 00
Block	@	4 60 ℔ perch		Conshocken 1 45 @ 2 50
Rubble	@	1 25 @ 1 50	8 50 @	
Bluestone: (℔ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	75	50 @ 1 00	37 @ 50
Sandstone,				
Longmeadow	@ 80	80 @ 90		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle, English	@ 1 05	@ 1 05		95 @ 1
Corse Hill (Scotch)	1 05	1 05		
Marble (℔ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not sold.*	2 00 @ 2 50
Rutland, white and blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	350 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate; Roofing (℔ *square*)				
" green	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" purple	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" red	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 8 85	3 25 @ 4 00
" " Chapmans			7 30 @ 8 00	4 00 @ 4 65
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am. ℔ M	@		*Not sold.*	25 00
N. Peach Bottom, warranted unfading				6 00 @ 6 75
PAINTS. (*In oil,* ℔ *lb.*)				
White lead, Am	7 @ 7½	7½ @ 7½	6½ @ 7	@ 7½
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.	6½ @ 7	7½ @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermilion	65 @ 70	75 @ 80 dry	65 @ 68	Eng. @ 76
Red Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	53 @ 56	56 @ 57	57 @ 60	@ 60
" " boiled	56 @ 59	59 @ 60	60 @ 63	@ 63
Turpentine	42 @ 43	44 @ 45	51 @ 51	@ 44
Varnish, coach		1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac		2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	2 @	2 @ 4	02 @ 02½	2 @ 2½
Whiting (℔ cwt.)	75 @ 1 00	1 @ 1½	1 @ 1½	½ @ 1
Paris white, (Eng.,)	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am	5½ @ 6	@ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber, "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) **Spikes,** (*wrought.*)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 50	@ 3 65	3 60 @ 4 75
Finishing nails according to size.			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4"x4" (℔ doz. pairs.)				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish. ℔ pair.	@ 65	50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (for cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (℔ *Set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 32	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:		@ 8	13 @ 16	13½ @ 16
Sheet Lead		@ 7½	7	@ 6½
Lead Pipe			6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance			3 20 @ 3 70	@ 2 8-10
Channel-Beams	3 3-10 @ 3¼	@ 3 1-10	" "	@ 2 8-10

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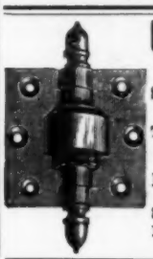

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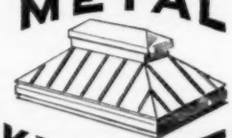

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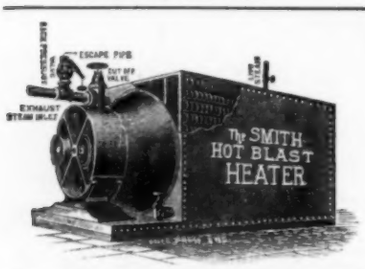

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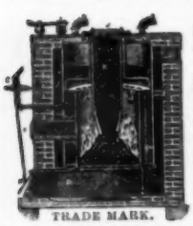

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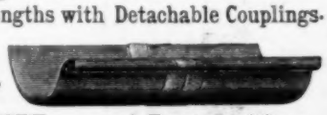

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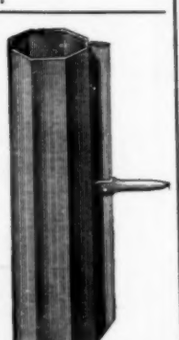

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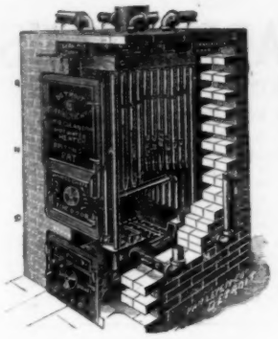

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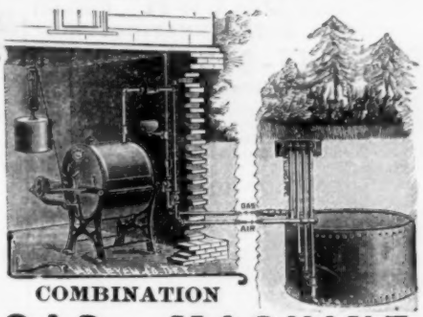

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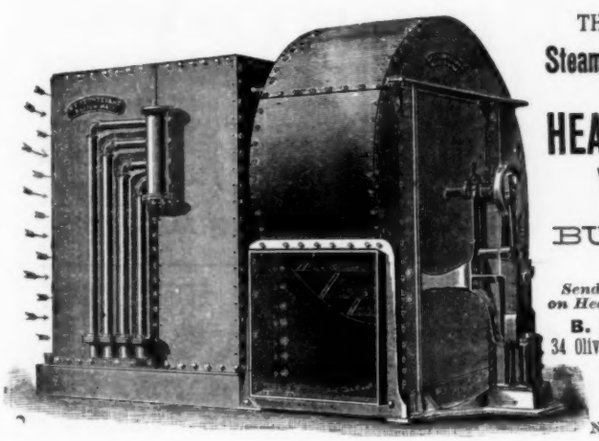

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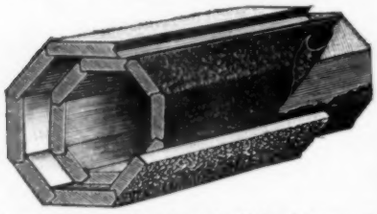

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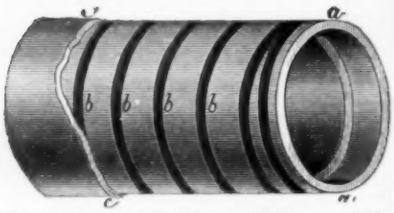

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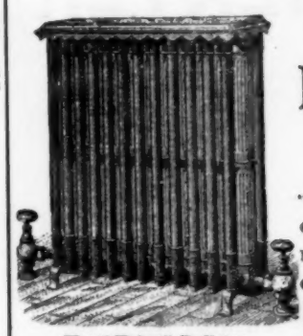

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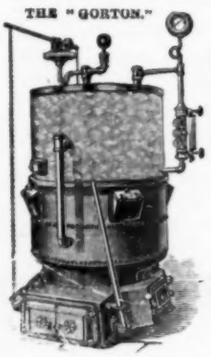

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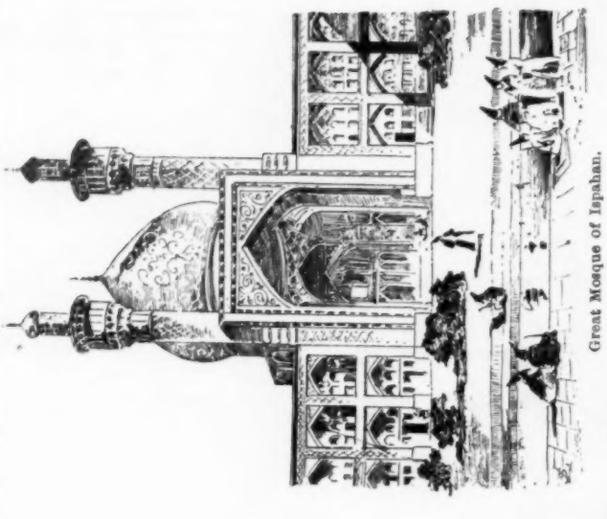

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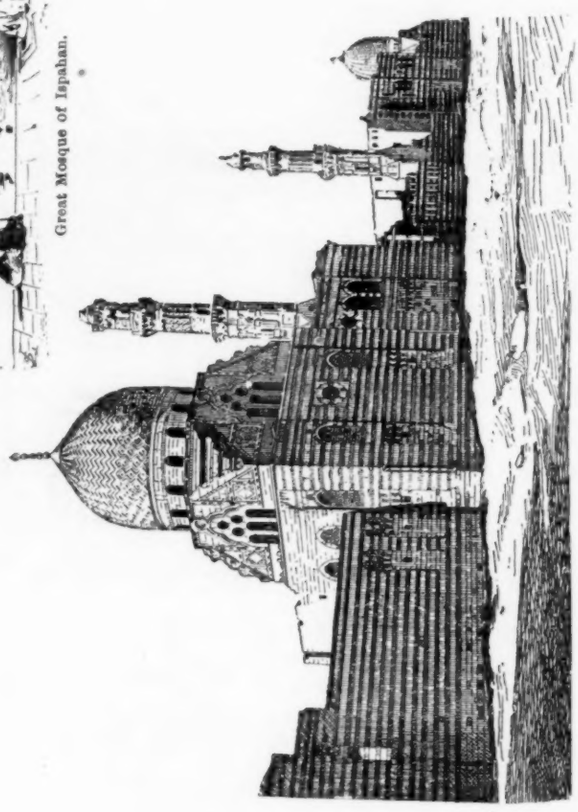

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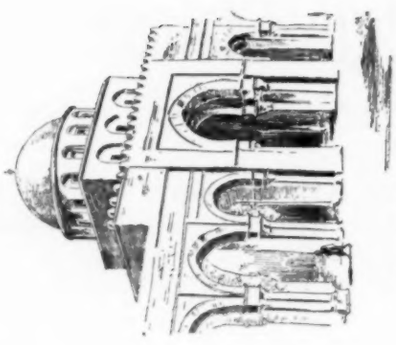

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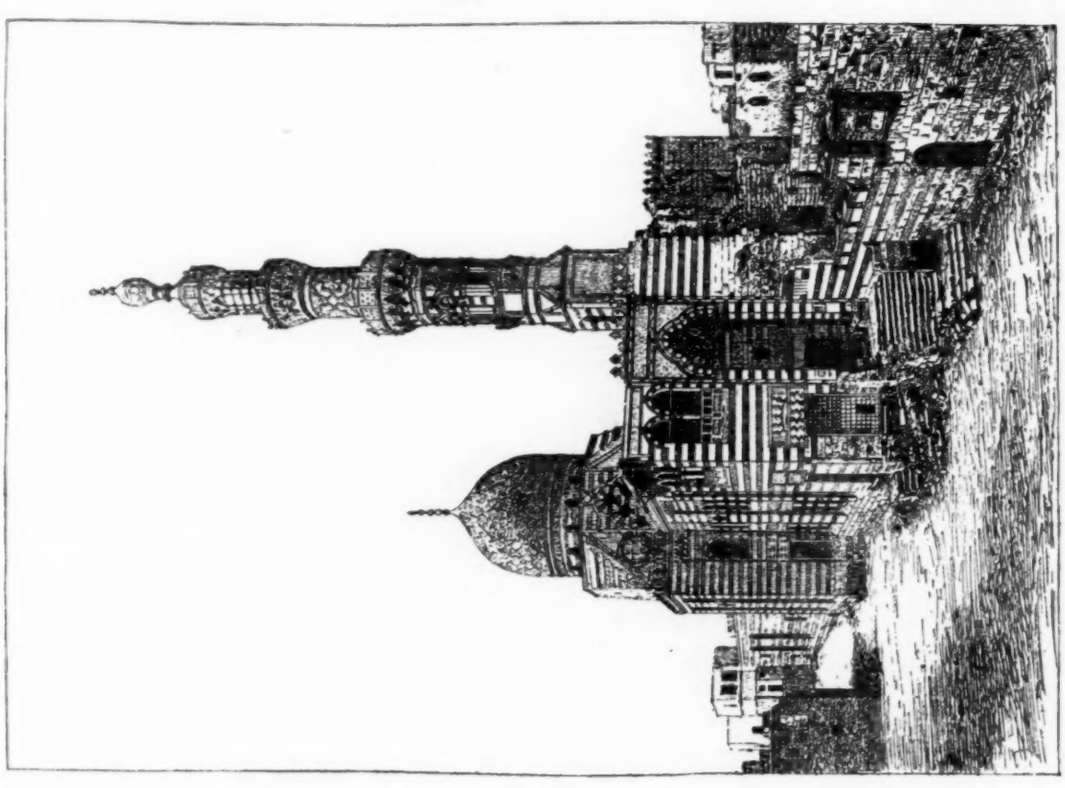

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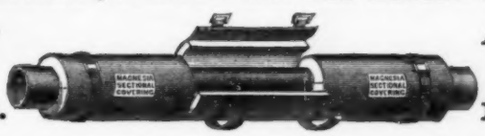

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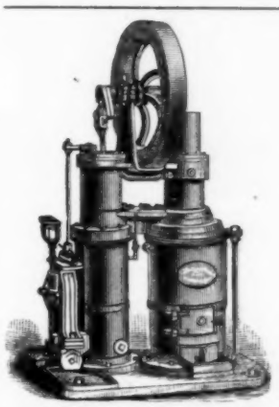

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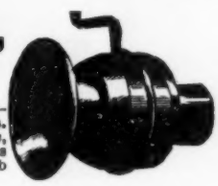

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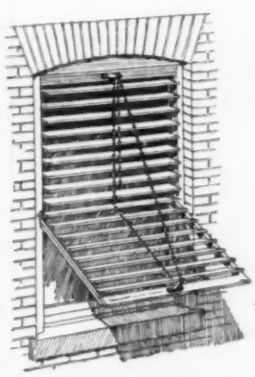

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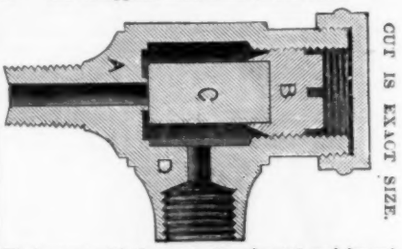

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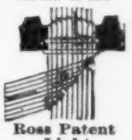

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IS PUBLISHED EVERY SATURDAY BY

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211 Tremont St., Boston, Mass.

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New Advertisements.

UNION AKRON CEMENT CO. (Buffalo, N. Y.), Cement. Page xxvi.
WM. R. PITT (New York, N. Y.), Ornamental Metal Work. Page xvii.
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SMITH & ANTHONY STOVE CO. (Boston, Mass.), Sanitas Traps, etc. Page 2, Cover.
BUTTON BOILER CO. (Waterford, N. Y.), Boilers. Page xv.

WANTED.

POSITION. — An architectural draughtsman would like a position in Boston office. Address "L. M. C.," *American Architect* office, Boston, Mass. 796

WANTED.

SITUATION.—A young lady graduate of the Massachusetts Normal Art School desires a place in an architect's office in Boston. Address "C. 253," Station A, Boston. 796

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FOR SALE.—Seventy-three handsome black walnut pews, 14 feet 6 inches long. Address John R. Church, Architect, Hayward Building, Rochester, N. Y. 798

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WANTED.

POSITION wanted as draughtsman in Boston office; three years' experience. Address "Draughtsman A. B.," *American Architect* office, Boston, Mass. 795

WANTED.

POSITION wanted by draughtsman well acquainted with interior work and furniture, and used to superintending. Address "L. D.," this office. 797

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WANTED.

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BUILDING PATENTS.

[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

446,848. Heating and Ventilating the Walls of Buildings.—William Benner, Tiffin, Ohio.
446,859. Pressed-Steel Beam. — Samson Fox, Leeds, England.
446,863. Pneumatic Fire-Alarm. — Albert Goldstein, Baltimore, Md.
446,865. Transom-Lifter.—George W. Hamilton, Boston, Mass.
446,878. Machine for Cutting Glaziers' Window-Lead. — William C. Minns, Great Yarmouth, England.
446,903. Flushing-Tank. — James Totham, New Haven, Conn.
446,907. Indicator for Elevators. — Edward Whitlock, Richmond, Va.
446,969. Sash-Fastener. — Charles A. Frisbie, Stanberry, Mo.
447,004. Automatic Sprinkler. — Augustus F. Nagle, Chicago, Ill.
447,025. Plaster Slab. — Robert R. Coursen, Newark, N. J.
447,055. Latch. — German J. Matson and John V. Phillips, New Buffalo, Mich.
447,068. Sash-Fastener. — William E. Dixon, Chicago, Ill.
447,084-085. Metallic Lathing. — Longley L. Sagendorph, Philadelphia, Pa.
447,090. Door-Operating Device.—Adolph Von Brandis and Herman Davidson, Milwaukee, Wis.
447,117. Elevator. — William H. Jones, Chicago, Ill.
447,151. Brick-Kiln. — John B. Griswold, Zanesville, Ohio.
447,155. Apparatus for the Calcination of Cement.—Paul Krottnaurer, White Hall, Pa.
447,174. Transom-Lifter. — John L. Baker, Greensborough, N. C.
447,195. Annunciator and Indicator System. John E. A. Miller, San Francisco, Cal.
447,196. Hatchway for Elevators. — John J. McBride, Ridgefield Park, N. J.
447,232. Set Bowl or Wash-Basin. — Samuel P. Croswell, West Medford, Mass.

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Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING MARCH 13, 1891.

From Antwerp. — Steamer "*Hermann*," 70 casks cement, Gabriel & Schall. Steamer "*Conemaugh*," 4,170 barrels cement, order. Steamer "*Friesland*," 1,000 barrels cement, E. Thiele.

From Bermuda.—Steamer "*Trinidad*," 1 log cedar, E. H. Quimby.

From Frontera.—Bark "*Dolores Romano*," 243 pieces mahogany, Theo. Hermann.

From Glasgow. — Steamer "*Ethiopia*," 5 cases granite, Thos. Donnell; 4 do., Kennedy & Moon; 89 do., W. C. Townsend.

From Hamburg. — Steamer "*Gothia*," 28 barrels cement, F. A. Marsily & Co.

From Kingston.—Steamer "*Alene*," 14 pieces cedar, Hall & Ruckell.

From Liverpool. — Steamer "*St. Ronans*," 56 casks glazed bricks, Howard Fleming.

From London. — Steamer "*Grecian*," 750 casks cement, Howard Fleming; 500 do., Bank of British North America. Steamer "*The Queen*," 2,250 casks cement, order.

From Manzanilla. — Bark "*Hooding*," 2,219 pieces cedar-wood, order.

From Nuevitas. — Schooner "*Walter L. Plummer*," 786 pieces cedar, 251 do. mahogany, Reynes Bros.

From Santa Cruz. — Schooner "*M. A. Achorn*," 400 pieces mahogany, 1,100 do. cedar, Edwin W. Adams. Schooner "*Wm. F. Green & Son*," 174 logs cedar, J. M. Ceballos & Co.; 607 do., Wm. Wickes & Co.; 1,874 logs mahogany, order.

From Tuspan. — Schooner "*De Mory Gray*," 341 logs mahogany, J. W. Wilson & Co.

From Vera Cruz.— Steamer "*Yucatan*," 5 packages marble, James E. Ward & Co.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

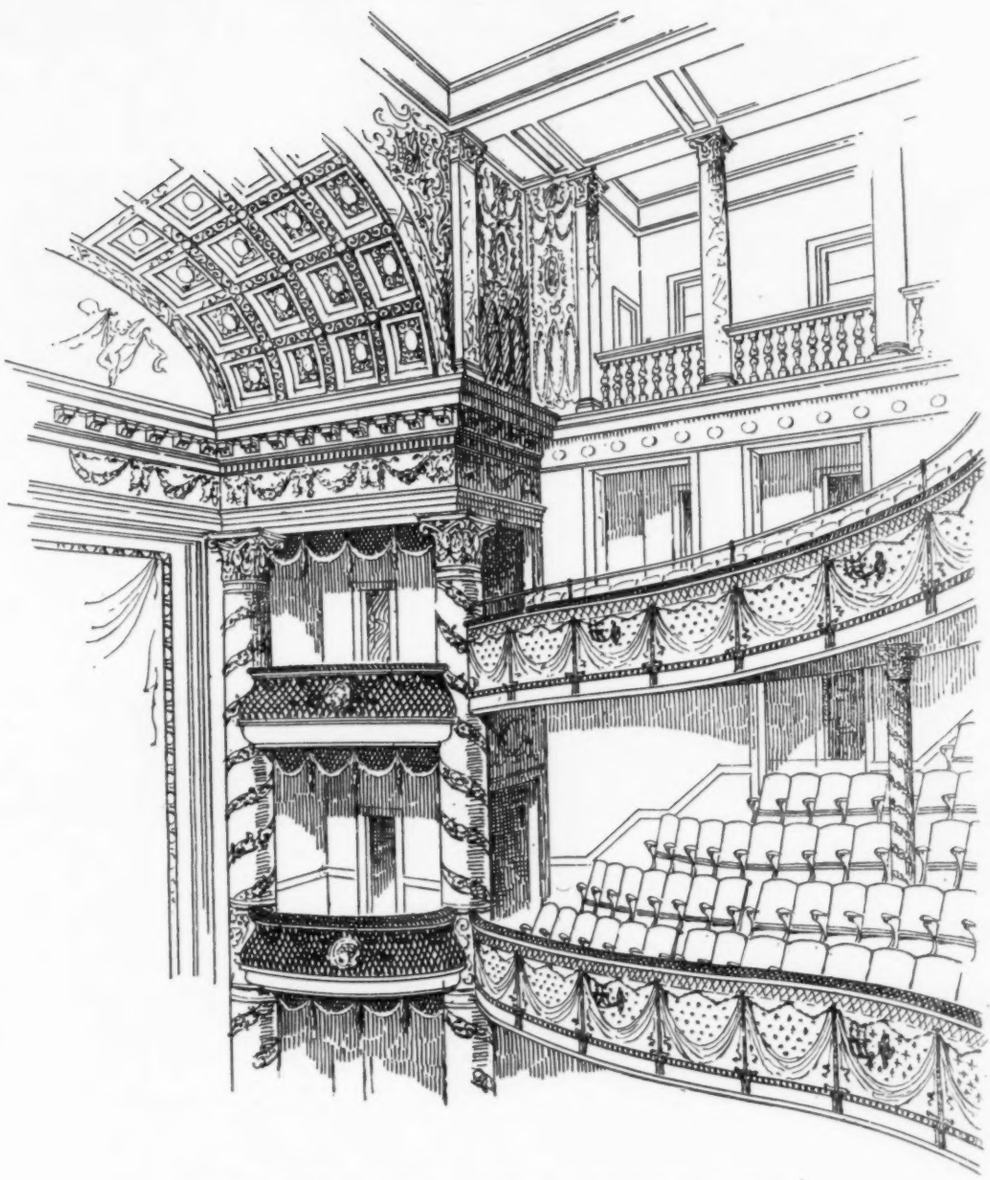
[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

ALTERATIONS.

Chestnut Hill, Pa.—Constable Bros., 151 Broadway, New York, are at work on an extensive stone addition to dwell. for Lea Bros.

Philadelphia, Pa. — *Vassar St.*, w s, n Cresson St., front alteration; contractors, Milne & Brown, Cresson and Vassar Sts.

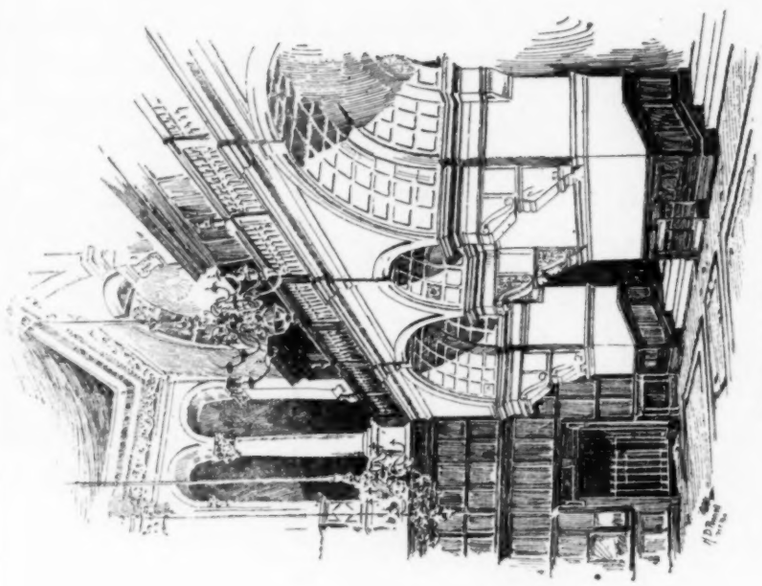
(*Continued on page* xx.)



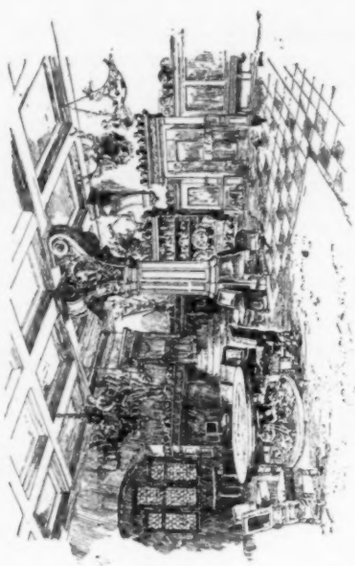
INTERIOR VIEW OF THE MADISON SQUARE GARDEN THEATRE.

MESSRS. McKIM, MEAD AND WHITE, ARCHITECTS. DAVID H. KING, JR., BUILDER.

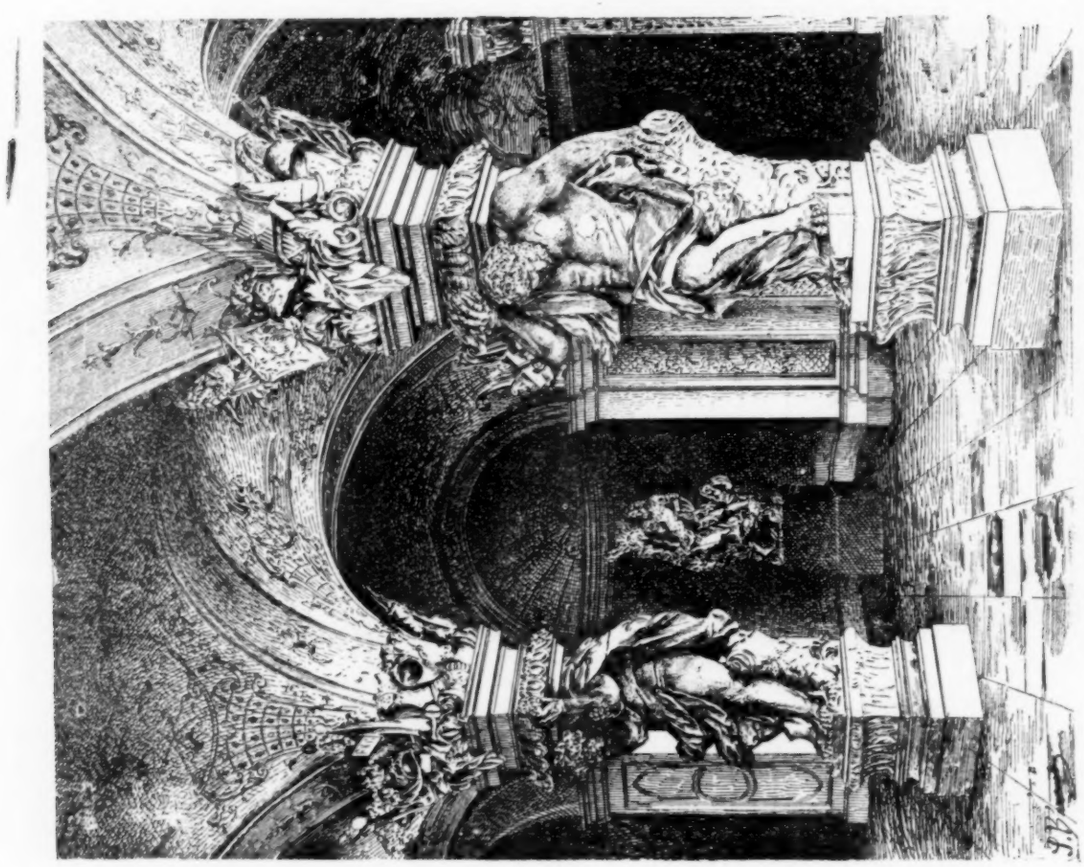
THE ORNAMENTAL GALLERY RAILINGS, THE BOX RAILINGS AND BALUSTER RAILINGS SHOWN IN THIS CUT WERE MANUFACTURED BY THE WM. R. PITT COMPOSITE IRON WORKS, 83 READE STREET, NEW YORK.



Examination Schools, Oxford.



Hall of the Monastery, Bebenhausen.



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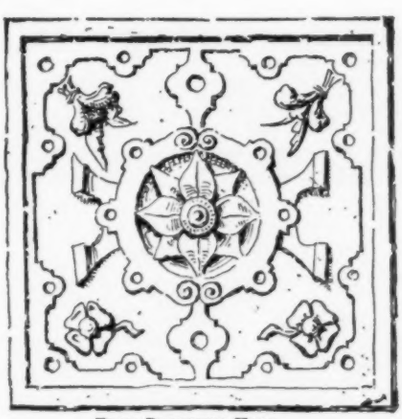

FROM BRERETON HALL.

ALTHOUGH the Architecture of the RENAISSANCE in other countries has during the last few years, received much attention, and been copiously illustrated, but little has been recently attempted towards illustrating the remains of the same period in England; yet the reign of Elizabeth was the time of great building activity, and was marked by a lavish display of magnificence in house building. The desire for domestic comfort led to the erection or the re-modelling of a vast number of houses; whilst the desire for display led great noblemen to vie one with the other in the extent and splendor of the palaces they erected. From one end of the land to the other rich men built, adorning their houses with an infinite variety of detail, dictated by local conditions of material or modes of workmanship, but all conforming to the new style which had found its way to every part of England; but in planting itself on English soil the new style assumed distinctly English characteristics, which it retained until it became submerged beneath the advancing tide of universal Classic. Many of these buildings, stately, picturesque, and rich in beautiful detail, both inside and out, remain to us to show how problems of design were solved, which in their main conditions, come up for solution in the present day. It is these essentially English Buildings which the present work will portray. Hardwick Hall, Hatfield, Kirby, Burghley, Cobham, Blickling, are a few among the large and well-known houses; while Ragdale, Hambleton, Condover, Brereton, Lilford, Longford, and many others, though not so famous, are no less interesting as examples of the style. The buildings selected are typical examples, chosen from the best that are available, and they range from Lancashire and Yorkshire in the North, to Devon and Kent in the South; stone, brick, and timber-built structures being all represented.

The photographic plates will comprise general views of the buildings, both exterior and interior, with special features to a larger scale; and although taken mainly from Domestic work, there will be a few notable monuments from Churches as well as woodwork from the same sources. In addition to the photographic plates there will be given twenty sheets of measured details, reproduced by photo-lithography from drawings specially prepared for the work, comprising some of the features given in the views as well as many others not suitable for photographic illustration.

The Text will be interspersed with about a hundred small sketches of other interesting features such as balustrades, dormer windows, corbels, groining bosses, carved panels, staircases, glazing, etc., etc., as well as some plans of buildings, and profiles of the principal mouldings. By this means it is hoped to make the work far more useful than it would be were it merely a collection of general views, and to render it not only a valuable study-book for the Architect, but of great interest to all who take pleasure in the remains of the richest period of Domestic Architecture which England has witnessed.

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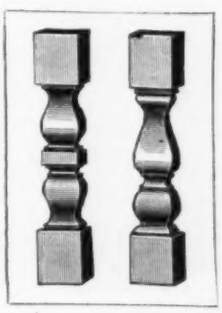

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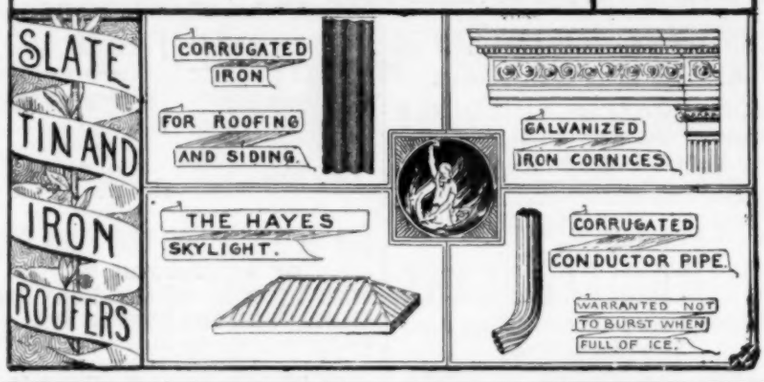

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East Eleventh St., Nos. 718-722, 3 five-st'y brick factories, tin roofs; cost, $18,000; owner, Mrs. Mary Decker, 179 East Ninety-fourth St.; architects, Kurtzer & Rohl, cor. Third Ave. and Seventh St.

Lewis St., No. 87, *Rear*, six-st'y brick factory, tin roof; cost, $16,000; owners, Weil & Mayer, 227 East Sixtieth St.; architects, Schneider & Herter, 48 Bible House.

First Ave., e s, 69' n Forty-fourth St., two-st'y brick factory, felt and cement roof; cost, $12,000; owner, Marcus Fleifchhauer, 348 East Fiftieth St.; architects, A. B. Ogden & Son, 1031 Madison Ave.

East Forty-fourth St., Nos. 322-324, two-st'y brick factory, gravel roof; cost, $5,000; owner, Henry Kern, 411 East Fifty-sixth St.; architect, J. L. Hiller, 222 East Sixty-second St.

Philadelphia, Pa.—*Canal St.*, foot Robinson St., two-st'y factory; owners, S. S. Keeley & Sons, 350 Green Lane.

HOUSES.

Brooklyn, N. Y.—*Powers St.*, n s, 75' w Olive St., three-st'y frame dwell., tin roof; cost, $4,800; owner, Mary Buchheit, Ewen St.; architect, Christian Buchheit, 282 Powers St.

BUILDING INTELLIGENCE.

Barbey St., w s, 37' 6" n Jamaica Ave., two-st'y frame dwell., shingle roof; cost, $3,000; owner, A. W. Drake, Woodhaven Junction; architect, A. B. Willard, Woodhaven Junction.

Second St., s s, 320' w Eighth Ave., 5 three-st'y brick dwells., tin roofs; cost, $6,500 each; owner, Catherine Hill, 11 Gunter Pl.; architect, John E. Dwyer, 1558 Broadway.

Putnam Ave., s s, 210' e Stuyvesant Ave., 5 two-and-one-half-st'y brick dwells., tin roofs; cost, $22,000; owner, Charles Herr, 996 Broadway; architect, Th. Engelhardt, 905 Broadway.

Suydam St., s s, 100' e Knickerbocker Ave., three-st'y frame dwell., tin roof; cost, $5,000; owner, Henry Ruhl, 673 Hart St.; architect, Theo. J. Beis, 321 Evergreen Ave.

Cooper St., s s, 315' w Knickerbocker Ave., 3 three-st'y frame dwells., tin roofs; cost, $3,500 each; owner, J. W. B. Rose, 98 Cooper St.

Eighteenth St., s s, 180' w Tenth Ave., three-st'y frame dwell., tin roof; cost, $3,000; owner, Thomas Seward, 282 Ninth Ave.; architect, M. McCadden, 537 Eighteenth St.

Essex St., w s, 200' s Belmont Ave., 2 two-st'y frame dwells., shingle roofs; cost, $1,900 each; owner, George Davis, Essex St., bet. Belmont and Blake Sts.; architects, Building Plan Association, New York City.

Wyona St., w s, 225' s Fulton Ave.; 3 three-st'y brick dwells., tin roofs; cost, $18,000; owner, Emil Ehrich, Wyona St., bet. Atlantic and Fulton Aves.; architect, Charles Meins, 97 Sheffield Ave.

Third St., s s, 20' n Seventh Ave., 4 three-st'y brick dwells., tin roofs; cost, $36,000; owner, Warren C. Fowler, Parkville; architect, John L. Young, 287 Halsey St.

Covert St., s s, 90' e Central Ave., 27 two-st'y frame dwells., tin roofs; cost, $2,500 each; owner, I. B. Booth, 716 Hancock St.; architect, Frank W. Ames, 1002 Halsey St.

Hamburgh Ave., w s, 80' s Covert St., 2 two-st'y frame dwells., tin roofs; cost, $2,500 each; owner, I. B. Booth, 716 Hancock St.; architect, Frank W. Ames, 1002 Halsey St.

Troutman St., No. 108, bet. Evergreen and Central Aves., three-st'y frame dwell., tin roof; cost, $3,000; owner, Charles Mennig, on premises; architect, Hugo Smith, 27 Moore St.

Himrod St., n s, 183' 4" w Central Ave., three-st'y frame dwell., tin roof; cost, $7,000; owner, F. Sprower, 111 Himrod St.; architect, Frank Holmberg, 1161 Broadway.

Halsey St., s s, 20' w Ralph Ave., 10 two-st'y brick dwells., tin roofs; cost, $4,000 each; owners, Dieter & Mullowney, 186 Remsen St.; architect, Robert Dixon, 219 Montague St.

Leonard St., e s, 75' n Ten Eyck St., three-st'y frame dwell., tin roof; cost, $4,500; owner, Mrs. Maria Inverarity, 178 Leonard St.; architect, Benj. Fenkensieper, 93 Broadway.

Fifty-seventh St., s s, 100' w Third Ave., 5 two-st'y frame dwells., tin roofs; cost, $2,800 each; owner, Wm. S. Hassan, 117 Sixth St.; architects, H. L. Spicer & Sons, Third Ave. and Fifty-third St.

Dean St., s s, 215' e Rogers Ave., 3 three-st'y brick dwells., tin roofs; cost, $8,000 each; owner, Elliott McCormick, 233 Union St.; architect, George P. Chappell, 24 State St., New York City.

Arlington Ave., n s, 67' e Elton St., 2 two-st'y frame dwells., tin roofs; cost, $3,200 each; owner, Anna Maria Beach, 126 Cambridge Pl.; architect, Louis F. Schillinger, Liberty Ave. and Barbey St.

Putnam Ave., s s, 95' w Stuyvesant Ave., 10 three-st'y brick dwells., tin roofs; cost, $8,000 each; owner, E. H. Bishop, 647 Putnam Ave.; architect, John E. Dwyer, 1558 Broadway.

Putnam Ave., s s, 140' e Bushwick Ave., 5 three-st'y brick dwells., tin roofs; cost, $5,000 each; owners, Brock & Linderman, 815 Lexington Ave.; architect, John E. Dwyer, 1558 Broadway.

Quincy St., s s, 287' 6" w Throop Ave., 12 two-st'y brick dwells., tin roofs; cost, $4,200 each; owner and architect, Harry A. Sibley, 389 Jefferson Ave.

Quincy St., s s, 100' w Throop Ave., 10 two-and-one-half-st'y brick dwells., tin roofs; cost, $4,700 each; owner and architect, Harry A. Sibley, 389 Jefferson Ave.

Rockaway Ave., e s, 180' n Glenmore Ave., 4 two-st'y frame dwells., tin roofs; cost, $2,000 each; owner, Michael Sullivan, Flatbush, L. I.; architect, M. F. Walsh, 371 Fulton St.

Hancock St., s s, 175' w Tompkins Ave., 6 three-st'y brick dwells., tin roofs; cost, $7,000 each; owner, Wm. H. Beynolds, 305 Hancock St.; architect, J. D. McAuliffe, 319 Flatbush Ave.

Carroll St., n s, 250' w Bedford Ave., two-st'y brick dwell., tin roof; cost, $3,000; owner, Daniel Gill, Crown St., near Bedford Ave.

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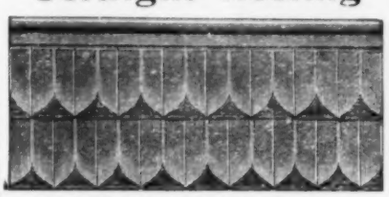

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BUILDING INTELLIGENCE.

Eldert St., n s, 170′ w Central Ave., 10 two-st'y frame dwells., tin roofs; cost, $3,000 each; owner, L. J. Lippmann, 191 Prince St.; architects, L. J. Lippmann & Co., Arbuckle Building.

Forty-sixth St., s s, 100′ w Sixth Ave., 3 two-st'y frame dwells., tin roofs; cost, $2,500 each; owner, A. A. Newman, Third Ave. and Forty-eighth St.; architect, Thos. Bennett, Third Ave. and Forty-ninth St.

Freeman St., s s, 225′ w Manhattan Ave., four-st'y frame dwell., tin roof; cost, $5,500; owner, Henry Eulenberg, next to premises; architect, D. Eggers, 151 Freeman St.

Chicago, Ill. — A. L. Reed, two-st'y dwell., Central Park Ave. and West Walenred St.; cost, $1,200.

J. Beneis, cottage, 1705 Grenshaw St.; cost, $1,000.

W. F. Becker, cottage, Avenue J and West One Hundred and Fifth St.; cost, $1,000.

Con Mulcahy, cottage, Hoxie and West One Hundred and Seventh Sts.; cost, $1,000.

Firth & Cochran, two-st'y dwell., 1416 Willard Ave.; cost, $2,500.

A. Suhe, cottage, 1126 Harrison St.; cost, $1,200.

O. N. Hansen, two-st'y dwell., Irving Ave. and West Wallace Sts.; cost, $1,400.

B. P. Peters, three-st'y dwell., Sixtieth near School Sts.; cost, $6,000.

P. W. George, two-st'y dwell., Sixtieth and School Sts.; cost, $3,000.

D. White, two-st'y dwell., 7016 Stewart Ave.; cost, $3,500.

F. Krumdieck, two-st'y dwell., 966 Thirty-seventh St.; cost, $3,500.

John B. Geary, two-st'y dwell., 3010 South Park Ave.; cost, $4,000.

John G. Carle, eight cottages, 3428-3446 Leavitt St.; cost, $4,000.

F. R. Clarke, 2 two-st'y dwell., Fifty-ninth and Wright Sts.; cost, $7,000.

C. King, two-st'y dwell., Buckingham Pl. and Evanston Ave.; cost, $4,000.

E. Talbott, 3 two-st'y dwells., 4349-4357 Oakwood Ave.; cost, $8,000.

H. C. Greener, two-st'y dwell., Sixty-first near Homan Sts.; cost, $1,600.

H. J. Altpeter, cottage, 2306 Kellogg St.; cost, $1,300.

J. Vandmacik, cottage, 1093 West Nineteenth St.; cost, $1,500.

A. Hralobowski, two-st'y dwell., 752 North Kedzie St.; cost, $1,500.

G. S. Seaverns, four cottages, 1519-1525 Thirty-third St.; cost, $3,200.

W. F. Smith, two-st'y dwell., 6915 Addison Ave.; cost, $1,600.

A. Stieber, two-st'y dwell., 1523 Clybourne Ave.; cost, $1,300.

F. Leswski, cottage, 4643 Goodspeed St.; cost, $1,000.

Bertha Bergen, cottage, Carpenter and Sixty-fifth Sts.; cost, $1,200.

A. Hawkes, cottage, Fifty-seventh Ct. and Lawndale St.; cost, $1,600.

T. C. Layer, cottage, 649 May St.; cost, $1,500.

Joe Kuble, cottage, 1131 Turner St.; cost, $1,400.

A. M. Keoter, cottage, 1657 Grenshaw St.; cost, $1,000.

J. Musham, cottage, 255 West Webster Ave.; cost, $1,300.

J. Kresydle, cottage, 950 Elk Grove Ave.; cost, $1,500.

W. Vogt, two-st'y dwell., Fullerton Ave. near Forty-fourth St.; cost, $2,000.

New York, N. Y. — *Ninety-third St.*, n s, 102′ e Fifth Ave., 6 four-st'y brick dwells., tin roofs; cost, $155,000; owner, Walter Reid, 1472 Third Ave.; architect, A. B. Ogden, 1031 Madison Ave.

Philadelphia, Pa. — *Juniper St., No.* 733, s, three-st'y dwell.; contractor, John Zoelle, 1304 North Third St.

Moyamensing Ave., e s, n e cor. Snyder Ave., 6 two-st'y dwells.; owner, J. J. Cassidy, Moyamensing Ave., n w cor. Snyder Ave.

Nineteenth St., s e cor. Moore St., 2 two-st'y dwells.

Morris St., n s, w Nineteenth St., 2 two-st'y dwells.; owners, Samuel McClellan & Son, 223 Vaughn St.

Philadelphia St., e s, n Dauphin St., two-st'y dwell.; contractors, Fuss & Frautz, 1814 North Fifteenth St.

Bellsmill Road, s w s, w Germantown Ave., two-st'y brick and stone dwell.; contractor, George S. Roth, East Union Ave.

Mt. Airy Ave., n w cor. Mower St., two-st'y dwell.; contractor, Wm. H. Wilson, 40 Miller St.

Deane St., n s, *and Newcomb St.*, s s, w Wayne Ave., 58 two-st'y dwells.; owner, Walter Burgee, 1606 Erie Ave.

Twenty-fifth St., s s, e Willow Grove Ave., two-st'y dwell.; owner, Patrick Quinn, Chestnut Hill.

A St., e s, s Courtland Ave., two-st'y dwell.

Queen St., Nos. 234-236, two-st'y dwell.; owner, Thos. Clements, 226 Catharine St.

York St., n s, w Twenty-fourth St., two-st'y dwell.; contractor, Samuel Stewart, 2724 Dauphin St.

Green Lane, n s, e Thomas St., two-st'y dwell.; *and Green Lane*, s s, w Richmond St., two-st'y dwell.; owners, R. C. Winnals & Co., 1621 Margaretta St.

Viola St., n s, w Fiftieth St., two-st'y dwell.; contractors, Wm. Steele & Son, 506 Walnut St.

Bancroft St., e s, n Clearfield St., 8 two-st'y dwells.; owner, Jos. H. Slifer.

South Thirteenth St., No. 1214, three-st'y dwell. and shop; owner, Jas. H. Hamilton, 1402 Bainbridge St.

Harmony St., e s, and w s Thirty-fifth St., s Wharton St., 12 two-st'y dwells.; owner, M. E. O'Brien, 728 South Nineteenth St.

Bellsmith Road, w Germantown Ave., two-st'y dwell.; owner, G. S. Roth, East Union Ave.

Twenty-second St., s Cambria St., two-st'y dwell.; owner, Isaac Scales.

Moyamensing Ave., n e cor. Snyder Ave., three-st'y dwell. and store; owner, J. J. Cassidy, Moyamensing and Snyder Aves.

Haines St., e s, s Pomona St., three-st'y dwell.; owners, C. R. Kohl & Bros., 79 Haines St.

Buckley St., n Tabor St., two-st'y dwell., owner, Jos. McNutt, 2320 Sepviva St.

Sixteenth St., w s, s Westmoreland St., 2 three-st'y dwell.; contractor, D. R. Evans, 3426 North Seventeenth St.

Chew St., w s, s Chelten Ave., three-st'y dwell.; contractor, A. M. Green, 331 West Chelton Ave.

Hewson St., n s, w Tibbin St., two-st'y dwell.; contractor, Charles Vogt, 455 Leerington Ave.

Twenty-third St., e s, n Oakford St., 6 two-st'y dwells.; owner, Charles Kane, 2011 Siegel St.

(*Continued on page* xxiv.)

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COL. GEORGE E. WARING, Jr., C. E. etc., in his recent work on Sewerage and Land Drainage, in speaking of traps liable to siphonage, says: "the best remedy would be to supply the defective traps at their summits with McClellan's Mercury Seal-Trap Vent, a perfectly safe device, of little cost, simple and easy of application, and sure to supply air when needed."

BUILDING INTELLIGENCE.

Miller St., e s, n Clearfield St., two-st'y dwell.; contractor, R. W. Kriner, 1206 Chauncy St.

Belgrade St., n Clearfield St., 4 two-st'y dwells.; contractor, R. W. Krine, 1206 Chauncey St.

Wakefield St., e s, s Bringhurst St., 2 two-st'y dwells.; owner, John Knott, cor. Wakefield and Bringhurst Sts.

Pleason St., e s, n Wood St., two-st'y dwell.; owner, August Roberts, Pleason St.

Edison Ave., R. R., two-st'y dwell.; contractor, B. F. Livezey, 625 Walnut St.

Bayer St., s Chelten Ave., two-st'y dwell.; contractor, Wm. Garvin, 5008 Adams St.

Susquehanna Ave., No. 1121, three-st'y dwell.; contractors, James McCauley & Son, 1328 East Montgomery Ave.

Third St., e s, n Cambria St., 1 three-st'y and 14 two-st'y dwells.; owner, Jas. S. Hagan, 2941 North Third St.

Clark St., n Buckius St., two-st'y dwell.; contractor, Kolever Bros., 2737 Ash St.

Edgemont St., e s, n Vincent St., 2 three-st'y dwells.; contractors, C. Kolever Bros.

Orchard St., e s, n Tacony St., 3 two-st'y dwells.; owner, Frank N. Forsyth, 2129 Jefferson St.

South Fifth St., Nos. 1047-49, 2 three-st'y dwells.; owner, M. Jennings, 414 Christian St.

Helen St., w s, s Somerset St., 4 two-st'y dwells.; contractor, Henry Lente, 2538 Kensington Ave.

Unity St., w s, w Wingohocking Ave., two-st'y dwell.; contractors, Crompton & Thirsk, 2127 Dickinson St.

St. Louis, Mo. — Two-st'y brick dwell.; cost, $3,800; owner and contractor, E. Wind.

Two-st'y brick dwell.; cost, $4,300; owner, A. Scanlon; contractor, E. Wind.

Two-st'y brick dwell.; cost, $4,300; owner, O. Zackresiski; contractor, E. Wind.

Three-st'y brick dwell.; cost, $7,000; owner and contractor, J. Leitner.

Two-st'y brick dwell.; cost, $6,000; owners, St. Louis Mutual House-Building Co. No. 3; contractor, A. Weidlich.

Two-st'y brick dwell.; cost, $2,500; owner, J. Kealing; contractor, J. Costello.

Two two-st'y brick dwells.; cost, $6,800; owner, T. F. Terry; contractor, H. A. Duffner.

Two-st'y brick dwell.; cost, $4,500; owner, Jno. O'Keefe; contractors, Eggleton & Folk.

Two-st'y brick dwell. and store; cost, $5,000; owner, F. A. Warnhoff; contractors, Morris & Hofman.

Two-st'y brick dwell. and store; cost, $22,000; owner, Hy. Pettker; contractors, Beinke & Wees.

Two-st'y brick dwell.; cost, $9,000; owner, C. E. Tyler; contractor, Adam Bauer.

Two-st'y brick dwell.; cost, $5,000; owner, Mrs. L. E. Howber; contractor, Thos. Manning.

Two-st'y brick dwell.; cost, $3,000; owner, N. Cemonius; contractor, Thos. Manning.

Three-st'y brick dwell. and store; cost, $4,000; owner, C. E. Sayxe; contractor, S. C. Weeks.

Two-st'y brick dwell.; cost, $2,500; owner and contractor, G. Neumeister.

Two-and-one-half-st'y brick dwell. and store; cost, $5,000; owner, B. Loebner; contractors, Besser Bros.

Two-st'y brick dwell.; cost, $4,000; owner, G. Shannon; contractor, B. Stock.

STABLES.

Philadelphia, Pa. — *Broad St.*, e s, n Cumberland St., three-st'y stable; contractor, Fred Marsch, 2117 Carnac St.

Wingohocking Ave., w s, s Unity St., one-st'y stable; contractor, Wm. Colden, 1944 Woodstock St.

Keystone St., n s, e Vincent St., two-st'y stable; contractors, Kalever Bros., 2737 Ash St.

Stiles St., n s, w Tucker St., two-st'y stable; contractor, Thos. Waters, Melrose St.

Tacony and Tucker Sts., two-st'y stable; contractor, Thos. Waters.

Fairmount Ave., n s, w Forty-fourth St., two-st'y stable; contractors, James Beatty & Son, 2114 Green St.

Twenty-ninth St., e s, n Susquehanna Ave., two-st'y stable; contractor, Wm. F. Albrecht, Twenty-ninth and York Sts.

Atlantic St., w s, n Dauphin St., stable; contractor, Geo. Kessler, 1542 Franklin St.

East Thompson St., e s, s Allegheny Ave., two-st'y stable; owner, Harry Gransback, 3168 Salmon St.

STORES.

Brooklyn, N. Y.—*Greene Ave., No.* 1384, bet. Knickerbocker and Irving Aves., three-st'y frame store and dwell., tin roof; cost, $4,000; owner, Leonard Hess, 323 Ellery St.; architect, Henry Vollweiler, 486 Hart St.

Chicago, Ill. — Jane Widman, 4 three-st'y stores and flats, 1449-1453 West Madison St.; cost, $25,000.

J. H. Levison, two-st'y store and flats, South Chicago Ave. and Seventy-sixth Sts.; cost, $2,600.

J. Rehm, two st'y store and flats, Seventy-fifth St., near Snell Ave.; cost, $2,000.

John Heinlein, one-st'y store and dwell., Halsted and Eighty-first Sts.; cost, $1,200.

Frank Pribyl, two-st'y store and dwell., 4858 Wood St.; cost, $2,300.

E. Anleis, one-st'y store, 674 West Division St.; cost, $2,200.

New York, N. Y. — *Bowery, Nos.* 107-109, five-st'y brick store, tin roof; cost, $30,000; owner, Henry Klingenstein, 1304 Madison Ave.; architect, Louis F. Heinecke, 62 Bowery.

Grand St., Nos. 176, 178, 180, six-st'y brick store, tin roof; cost, $75,000; owner, Heyman Vogel, 56 East Eightieth St.; architects, Cleverdon & Putzell, 529 Broadway.

Thirty-eighth St., No. 219½, four-st'y brick store, tin roof; cost, $12,000; owners, The Bottlers' Manufacturing Co., 149 East Fifteenth St.; architect, J. Kastner, 744 Broadway.

MISCELLANEOUS.

New York, N. Y. — *Sheriff St., No.* 77, six-st'y brick workshop, tin roof; cost, $8,000; owner, Lowen Halliday, 400 West Forty-sixth St., and 1791 Ninth Ave.; architects, Herter Bros., 191 Broadway.

Philadelphia, Pa. — *Titan St., No.*, 1725, three-st'y back building; owner, Bernard Coll, 303 South Twentieth St.

Wharton St., No. 714, two-st'y back building; contractor, A. A. Ardis, 616 Walnut St.

Twenty-first St., n e cor. Washington Ave., dyeing-room; owners, Barber & Olcutt Bros., Eighteenth St., s Washington Ave.

William St., No. 2153, two-st'y back building; contractor, Michael Heim, 2433 East Allegheny Ave.

Knorr St., n e cor. Hagerman St., one-st'y front building; contractors, Milnor & Son, cor. Penn and Allen Sts.

Warren St., No. 3526, three-st'y front building; contractor, S. M. McConsey, 4021 Fairmount Ave.

PROPOSALS.

March 11, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 2d day of April, 1891, for all the labor and materials required to fix in place complete the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States appraiser's stores building at Chicago, Ill., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Chicago, Ill. Each bid must be accompanied by a certified check for $200. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposal must be enclosed in an envelope sealed and marked "Proposal for a Low-pressure, Return-circulation, Steam-heating and Ventilating Apparatus, etc., for the United States Appraiser's Stores building at Chicago, Ill.," and addressed to JAS. H. WINDRIM, Supervising Architect. 796

March 14, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 7th day of April, 1891, for the labor and materials required for the approaches to the United States Post-office, Court-house, etc., building at Binghamton, N. Y., in accordance with drawing and specification, copies of which may be had on application at this office or the office of the Superintendent at Binghamton, N. Y. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time fixed for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposal must be enclosed in an envelope sealed and marked "Proposal for the Approaches to the United States Post-office, Court-house, etc., building at Binghamton, N. Y.," and addressed to JAS. H. WINDRIM, Supervising Architect. 796

March 4, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 30th day of March, 1891, for all the labor and materials required to do all the decorative painting, polishing, etc., for the United States Court-house and Post-office building at Concord, N. H., in accordance with specification and general drawings, copies of which may be seen at this office or the office of the Custodian at Concord. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for Painting, etc., for the United States Court-house and Post-office building at Concord, N. H.," and addressed to JAS. H. WINDRIM, Supervising Architect. 795

Proposals for Boilers, Pipe, Fittings, etc. Office of Building for Library of Congress, 145 East Capitol Street, Washington, D. C., March 7, 1891. Separate sealed proposals from manufacturers will be received at this office until 2 P. M. on Thursday, the 2d day of April, 1891, and opened immediately thereafter in presence of bidders, for furnishing and delivering at the site of the building for the Library of Congress, in this city, the following fixtures, fitting and materials for heating and power apparatus, namely: Class 1: Shell-boilers, fronts and trimmings, water-heaters, tanks, etc. Class 2: Cast-iron flange-pipe, hot-water coils, man-hole doors, etc. Class 3: Fittings for wrought-iron pipe, valves, steam traps, galvanized sheet-iron pipes, etc. Class 4: Wrought-iron, plain and galvanized pipe. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application to this office. BERNARD R. GREEN, Superintendent and Engineer. 795

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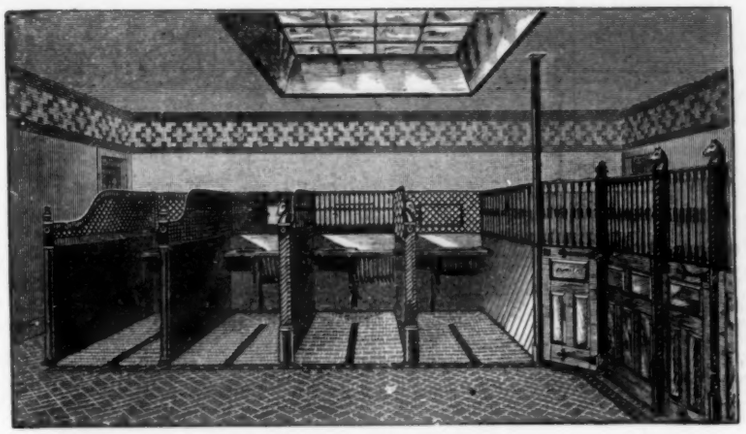

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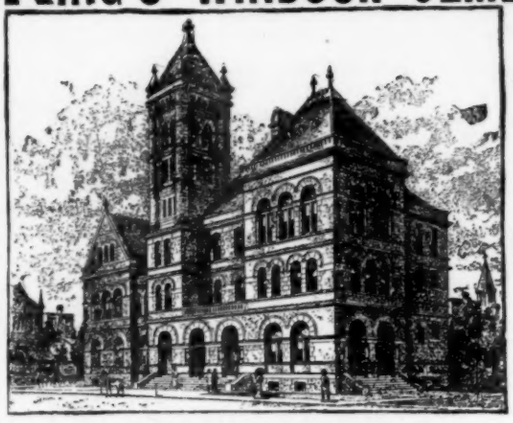

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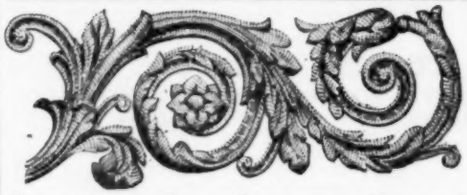

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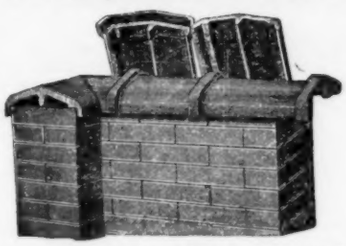

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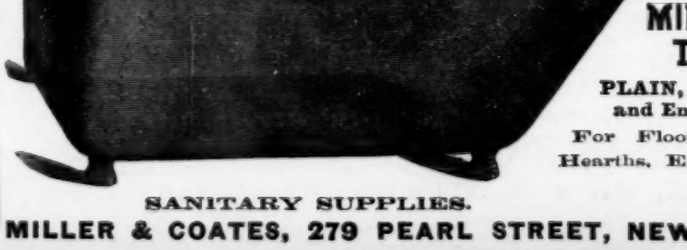
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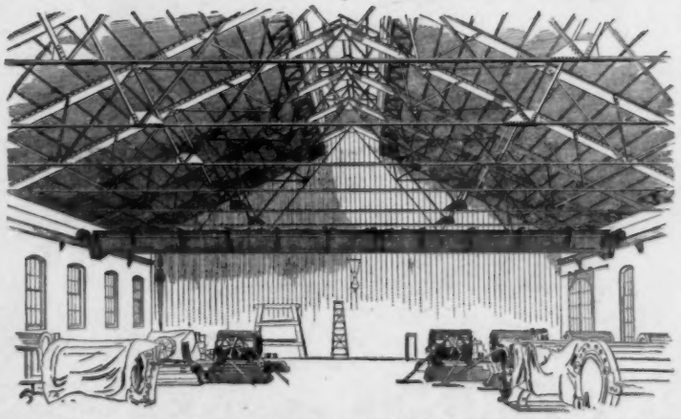

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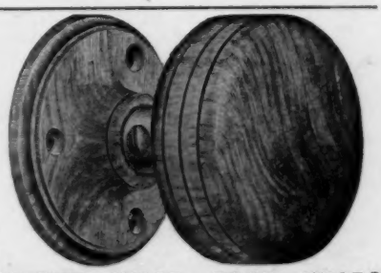

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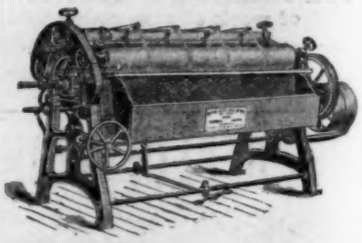

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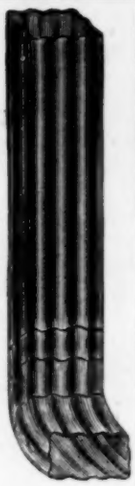

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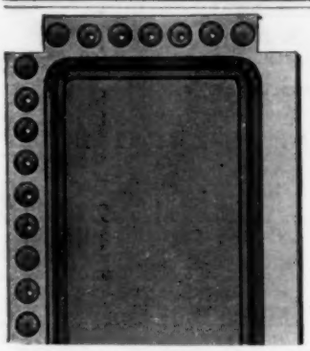

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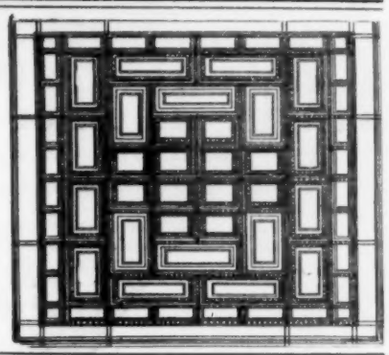

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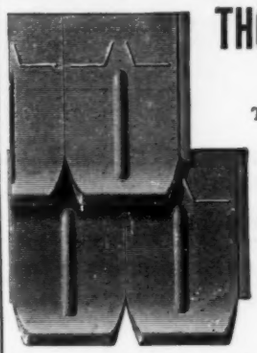

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Boards: (*Ordinary dimensions.*)				
Pine, 1st quality, clear	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	12½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 38 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	22 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 40 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 30	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 00 @ 2 25	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ M	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40
Cedar, split ₱ M	@	@	*Not sold.*	24" 8 @ 21
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	20" 35 @ 14
Cypress. Split....7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft.	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Commo	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	35 @ 50	9 @ 21	4 0 @ 1 25
Chestnut "	@	25 @ 50	*Not sold.*	30 @ 3
Finishing Woods: ₱ M. (*First Qual. Kiln dried.*)				
Ash	@ 55 00	45 00 @ 60 00	40 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 55 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 6 00	60 00 @ 75 00
Rosewood ₱ lb	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 17 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M	@ 45 00	40 00 @ 42 00	20 00 @ 40 00	50 @ 45 00

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Pale	2 00 @ 2 50	Eastern	Building Brick	Sq. Hard @ 9 00
Jersey	4 50 @ 5 50	9 00 @ 10 00	@ 6 50	" @ 7 0
Long Island	5 50 @ 5 75	Bay State Hard		Salmon 5 0
Up River		8 00 @ 9 00		Sq. " @ 00
Haverstraw Bay 2nd	5 75 @ 6 00	Domestic Com.	Indiana Pressd	Light Stretchers
" 1st	6 00 @ 6 25	9 50 @ 10 00	14 00 @ 20 00	@ 10 00
Hollow	@ 13 00	Domestic Face	St. Louis Fronts	Medium "
Fronts		20 00 @ 22 00	@ 27 00	@ 12 00
Croton, Brown	@ 13 00	Philadelphia		Red "
" dark	@ 14 00	40 00 @ 45 00		@ 13 00
" red	@ 14 00	Phila. mould		Dark "
Chicago pressed (Anderson)		50 00 @ 80 00	15 00 @ 27 00	@ 13 00
Chicago Moulded			65 00 @ 350 00	Pressed
Baltimore	37 00 @ 41 00	Anderson	@ 55 00	18 00 @ 20 00
Philadelphia	23 00 @ 24 00	14 00 @ 32 00	45 00 @ 50 00	Best Paving
Trenton	22 00 @ 23 00		45 00 @	@ 14 00
Milwaukee			25 00 @	Second "
Moulded:			60 00 @ 100 00	@ 13 00
Glens Falls Red Pressed	@ 37 00		30 @	Third "
" " Buff "	@ 30 00		35 @	@ 12 00
" " Moulded Red & Buff	45 00 @ 70 00		55 00 @ 65 00	
Enamelled: *Imp.*				
Enamelled (edge)	85 00 @ 100 00		@ 100 00	Dom. @ 65
Enamelled (edge and end)	90 00 @ 115 00		@ 120 00	@ 85
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Rosendale Cement	90 @ 1 10	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co	1 05 @ 1 30	B S & Co 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fowler)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Jonson
" " (Lagerdofer)	@	2 55 @ 3 0	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not Sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	11 50	9 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime
Hydraulic Lime	@ 1 45	@ 1 35		25 @ 30 ₱ bush
Chicago Lime in bulk		St. ohn 1 00	55 @	White Mass
Wisconsin "	@ 90		60 @	@ 1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 1 10	@ 1 05	*Not sold.*	@ 1 00 @ 1 00
Rockland and Rockport, finish	@ 1 20	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 85	@ 1 20	1 00 bulk, 75c.	*Not sold.*
State, com. cargo rates (nom.)	@ 1 05	*Not sold.*	*Not sold.*	*Not sold*
State, finishing "	1 20 @ 1 25	*Not sold.*	*Not sold.*	1 50 @ 2 25
Plaster of Paris (calcined.)	1 30 @ 1 35	1 85 @ 2 00	1 85 @ 1 90	1 75 @ 2 50
" (casting)	16 @ 18	@ 2 25	1 85 @ 1 90	20 @ 25
Hair (Cattle) ₱ *bush*	20 @ 22	25 @ 30	20 @ 25	30 @ 35
" (Goat)	1 00 @ 1 25	1 75 @ 1 90	30 @ 55	@ 1 50
Sand, ₱ *load*			@ 60	
STONE. (₱ *cubic foot, rough.*)		@ 60		55 @ 65
Granite: (*Maine*)	45 @ 1 25		50 @	
Limestone:	@ 1 00	95 @ 1 00	35 @ 55	75 @ 90
Bedford	@		35 @ 60	Richmond
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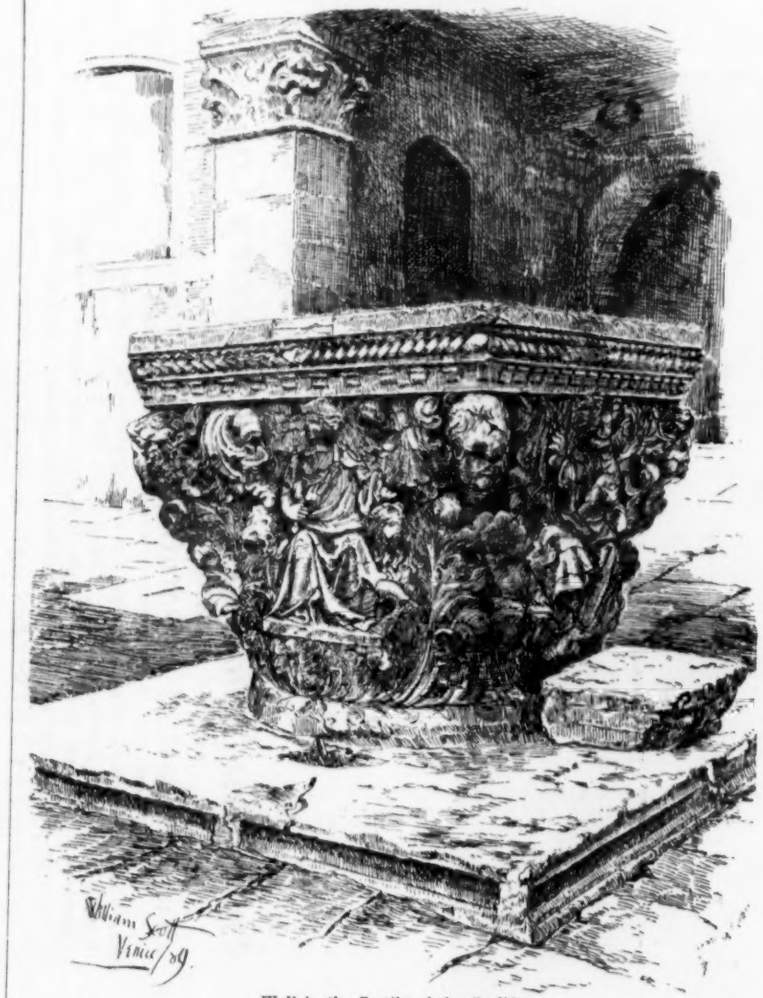

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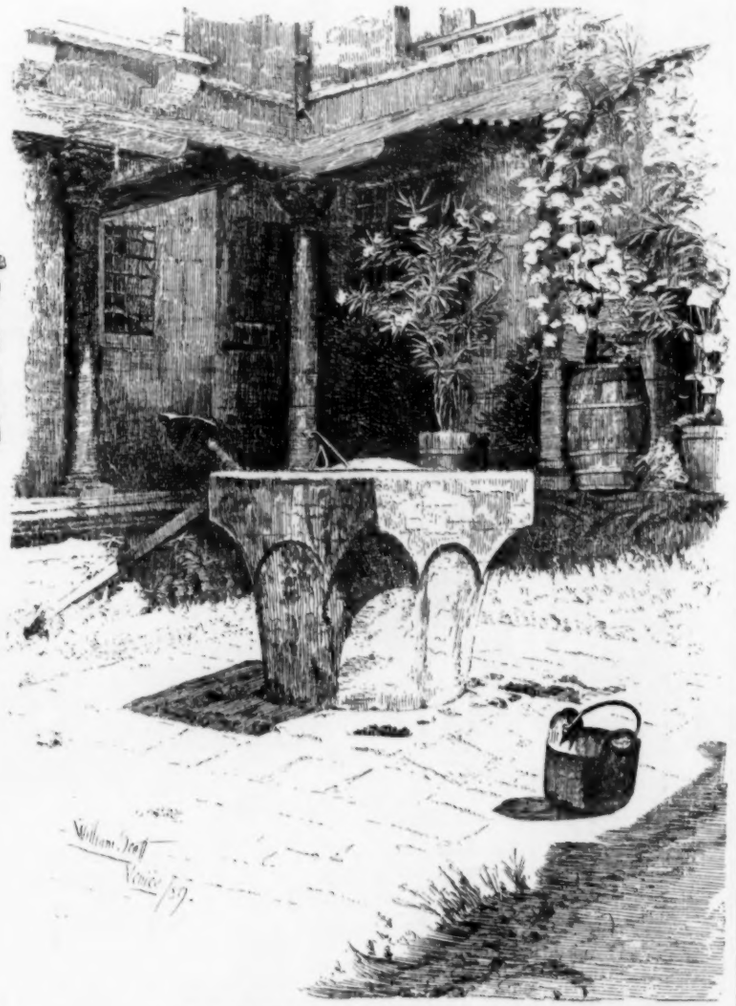

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Bluestone: (℔ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	75	50 @ 1 00	37 @ 50
Sandstone,				
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Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst }	@ 95	90 @ 1 00	45 @ 50	
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin }	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle, English	@ 1 05	@ 1 05		95 @ 1
Corse Hill (Scotch)	1 05	1 05		
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Lee, Mass.	@	1 75 @ 2 50	*Not sold.*	2 00 @ 2 50
Rutland, white and Blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25@ 1 75	@ 2 00	350 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate; Roofing (℔ *squares*)				
" green	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 50 @ 3 00
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" purple	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" red	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
" " Chapmans		@	7 30 @ 8 00	4 00 @ 4 65
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am. ℔ M			*Not sold.*	@ 25 00
N. Peach Bottom, warranted unfading				6 00 @ 6 75
PAINTS. (*In oil,* ℔ *lb.*)				
White lead, Am.	7 @ 7½	7½ @ 7½	6½ @ 7	@ 7½
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	7½ @ 7½	6½ @ 7	@ 7½
" Venetian	@ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermilion	65 @ 70	75 @ 80 dry	65 @ 68	Eng. @ 76
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	53 @ 56	56 @ 57	57 @ 60	@ 60
" " boiled	56 @ 59	59 @ 60	60 @ 63	@ 63
Turpentine	41 @ 42	44 @ 45	51 @ 51	@ 44
Varnish, coach		1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac		2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	2 @	2 @ 4	02½ @	2 @ 2½
Whiting (℔ cwt.)	75 @ 1 00	1 @ 1½	1 @ 1½	½ @ 1
Paris white, (Eng.,)	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am.	5½ @ 6	@ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber, "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) **Spikes,** (*wrought.*)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 50	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per ℔ 4 @ 6
(For casing nails add 75c. per keg.)			" .50 to .90	Add pr cask 2 90 (all kinds.)
Butts: 4"x 4" (℔ doz. pairs.)				
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish. (℔ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (for cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (℔ *Set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 22	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00@ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:			13 @ 16	13½ @ 16
Sheet Lead		@ 8	7	@ 6½
Lead Pipe		@ 7½	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft.	3 8-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ½, ¼, ¼ c. advance.			3.20 @ 3.70	@ 2 8-10
Channel-Beams	3 8-10 @ 3½	@ 3 1-10	" @ "	@ 2 8-10

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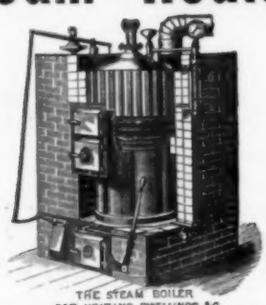

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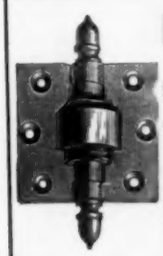

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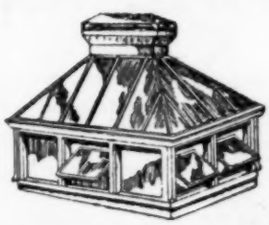

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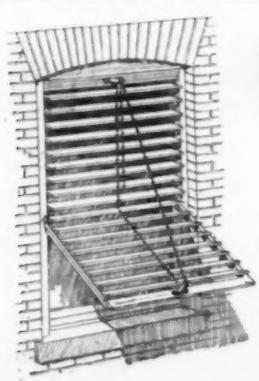

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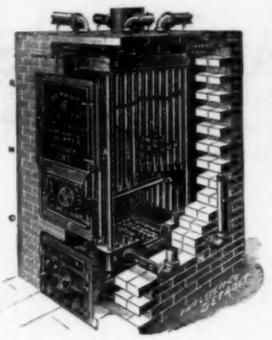

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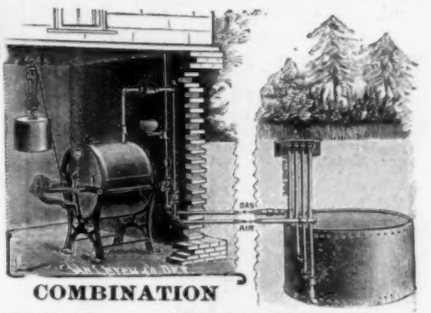

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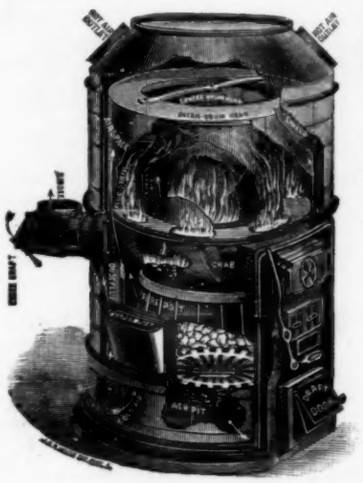

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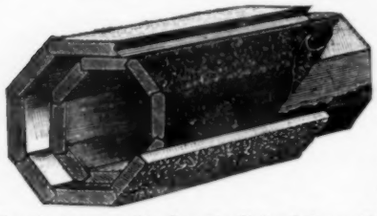

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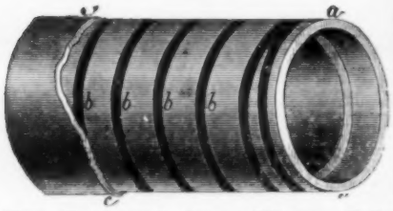

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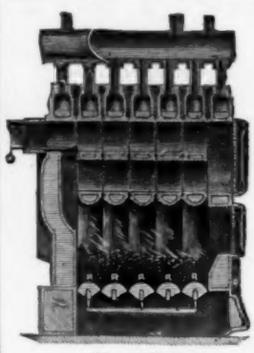

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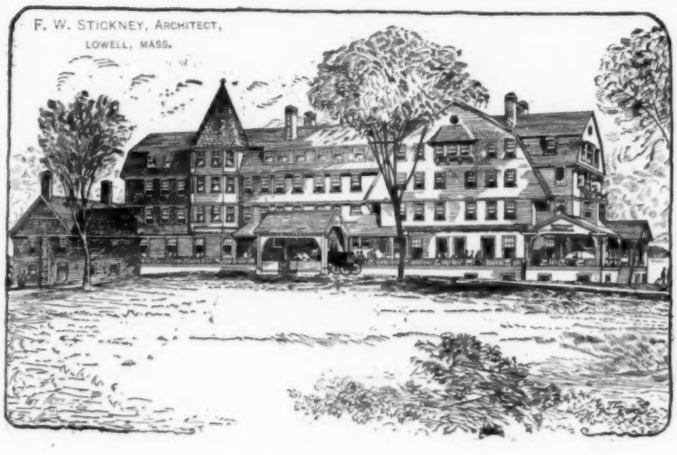

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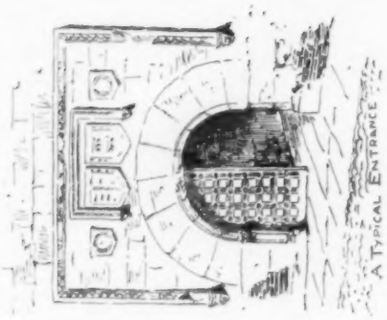

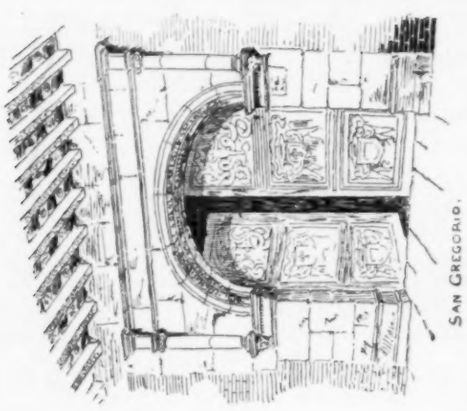

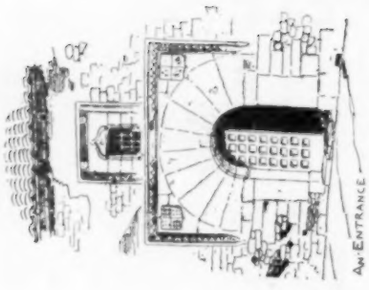

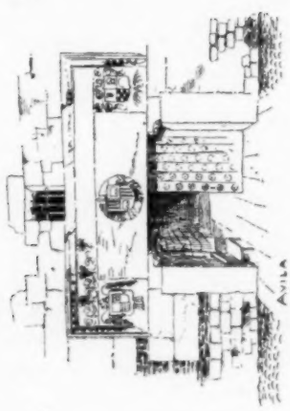

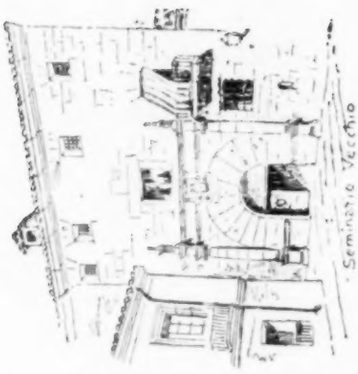

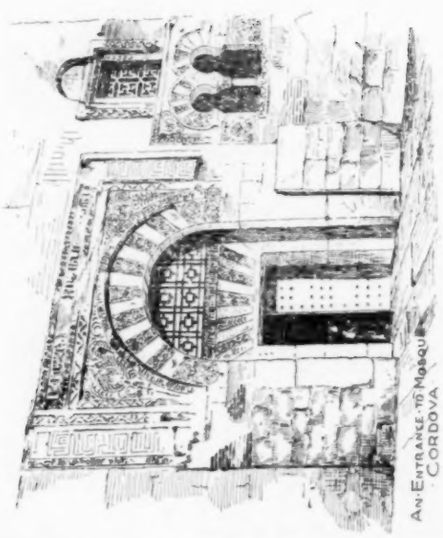

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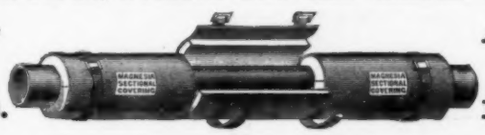

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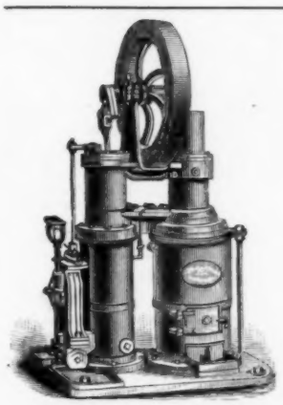

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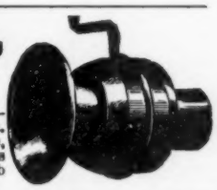

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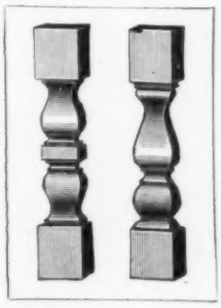

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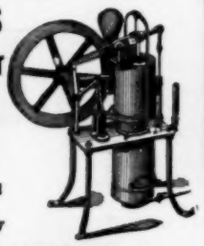

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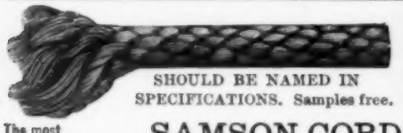

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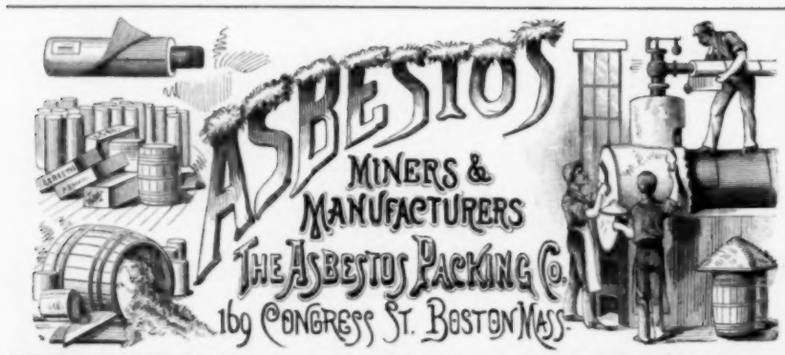

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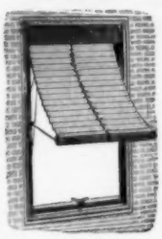

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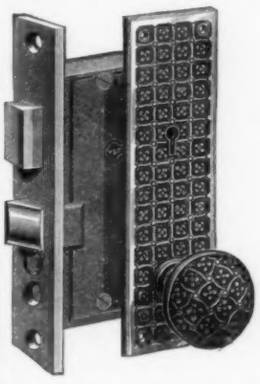

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H. M. Carleton, 21 Park Row.

Agent at Large: —
F. P. Spokesfield, 211 Tremont St., Boston, Mass.

Advertising rates: For "wants" and "proposals," 15 cents per line, each insertion. Other rates on application.

New Advertisements.

THE AMERICAN ELECTRIC ELEVATOR CO. (New York, N. Y.), Elevators. Page i.
N. & G. TAYLOR CO. (Philadelphia, Pa.), Roofing-Tin. Page xxii.
WEBB'S ADDER CO. (New York, N. Y.), Adding Machine. Page xxi.
STEBBINS MFG. CO. (Brightwood, Mass.), Basin Cocks. Page xx.

WANTED.

POSITION. — A competent superintendent and draughtsman desires position from April 1st; broadest experience on general constructions with best architects. Address "S.," care of H. M. Carleton, 21 Park Row, New York. 796

WANTED.

DRAUGHTSMEN. — Two thoroughly competent architectural draughtsmen wanted at once; state age and experience. Address Mason & Rice, 80 Griswold Street, Detroit. 797

WANTED.

WANTED to purchase, No. 707, Vol. XXVI, July 18, 1889, without plates; state price. Address E. Colonna, 2464 St. Catharine Street, Montreal. 796

WANTED.

POSITION by a second-class architectural draughtsman. Address F. B. Mosher, 1408 South Harrison Street, Saginaw, Mich. 796

WANTED.

POSITION wanted by a first-class draughtsman; up in design, detail and construction, with experience as superintendent and in charge of office; West preferred. Address "X. X.," *American Architect*. 796

WANTED.

ESTIMATER. — A good, competent man wanted accustomed to making estimates on fine interior woodwork, etc. Address John Moore & Co., Syracuse, N. Y. 796

WANTED.

CATALOGUES. — A. M. Spencer, Hildreth Block, Lowell, Mass., will be pleased to receive trade catalogues and samples. 796

WANTED.

SITUATION.—A young lady graduate of the Massachusetts Normal Art School desires a place in an architect's office in Boston. Address "C. 253," Station A, Boston. 796

WANTED.

POSITION wanted by draughtsman well acquainted with interior work and furniture, and used to superintending. Address "L. D.," this office. 797

WANTED.

DRAUGHTSMEN.— Wanted, four first-class architectural draughtsmen. Address F. S. Newman, Architect, Springfield, Mass. 800

FOR SALE.

FOR SALE.—Seventy-three handsome black walnut pews, 14 feet 6 inches long. Address John R. Church, Architect, Hayward Building, Rochester, N. Y. 798

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HIGH-CLASS perspectives prepared and rendered in water-colors, sepia or black-and-white, or will render perspectives or elevations already lined; English and American experience. Address "Artist," 1214 Angle Street, Philadelphia, Pa. t.f.

THE SYMPATHETIC INK

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See last or next issue for the following advertisements.

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Gorton & Lidgerwood.
B. F. Sturtevant.
Bailey Reflector Co.
E. D. Albro Co.
J. S. Thorn.
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Continental Insurance Co.
Pittsburgh Plate Glass Co.
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Alsen's Cement Works.
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Adamant Mfg. Co.
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Instantaneous Water Heating Co.
E. B. Moore & Co.
Merchant & Co.
Button Boiler Co.
Cortright Metal Roofing Co.
Union Akron Cement Co.

The following advertisements are omitted in this issue in favor of the Classified Index.

Belmont Iron Works.
Blake Bell Co.
I. P. Frink.
L. Haberstroh & Son.
Huyett & Smith Mfg. Co.
Hydraulic-Press Brick Co.
McCully & Miles.
J. Miller & Bro.
New Jersey Wire Cloth Co.
N. Y. Architectural Terra-Cotta Co.
Oakley & Keating.
Passaic Rolling Mill Co.
Perth Amboy Terra-Cotta Co.
Randolph & Clowes.
Smith & Egge Mfg. Co.
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Tucker & Titus.
Valle & Young.
E. Van Noorden & Co.
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THE BOSTON ARCHITECTURAL DRAWING AND TRACING OFFICE.

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BUILDING PATENTS.

[*Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.*]

447,241. Steam-Radiator. — Clark Otis, Farmer Village, N. Y.

447,254. House-Door Letter-Box. — Jose Matthews and Joseph Gilmer, Savannah, Ga.

447,265. Seamless Sheet-Metal Knob or Handle. — Samuel R. and Frank A. Wilmot, Bridgeport, Conn.

447,266. Method of Attaching Knobs or Handles. — Samuel R. and Frank A. Wilmot, Bridgeport, Conn.

447,290. Shutter-Bower. — Thomas W. Bartholomew, Danville, Pa.

447,297. Pipe-Hanger. — Rolla C. Carpenter, Lansing, Mich.

447,309. Window-Scaffold. — Adolph Gherwald, St. Louis, Mo.

447,329. Coupling for Hot-Water Heating-Pipes. — William D. Johnson, New Haven, and Theodore A. Curtis, Hartford, Conn.

447,330. Steam-Heating Apparatus. — Robert W. King, Georgetown, Canada.

447,362. Window. — George R. Roth, Reading, Pa.

447,366. Concrete-Mixer. — Samuel R. Scharf, Washington, D. C.

447,372. Stone-Planing Machine. — Edward Smallwood, Elyria, Ohio.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING MARCH 30, 1891.

From Antwerp. — Steamer "*Sorrento*," 1,180 casks cement, order. Steamer "*Waesland*," 2,000 barrels cement, order.

From Genoa. — Steamer "*Stura*," 1 case marble, order.

From Glasgow. — Steamer "*State of Georgia*," 75 cases granite, W. C. Townsend; 3 do., Brown, McAllister & Co.; 221 do., Austin, Baldwin & Co.; 3 do., Davidson Marble Co.; 3 do., G. W. Sheldon & Co.; 44 do., E. Foley; 5 bales enamelled bricks, C. R. Weeks & Bros.

From Hamburg. — Steamer "*Sorrento*," 10 casks cement, order. Steamer "*Moravia*," 200 casks cement, James E. Ward & Co.

From Hull. — Steamer "*Francisco*," 75 casks bricks, Chas. M. Fry; 114 do., Meeker & Carter.

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Rotch Travelling Scholarship

The committee having charge of the Rotch Travelling Scholarship Examinations request candidates to present themselves at the Museum of Fine Arts, on Saturday, April 4th, at 9 A. M.

Yours truly,

H. Langford Warren,
Secretary.

See the first issue of the month for the following advertisements.

Walton Architectural Iron Co.
Atlantic W. Lead & Lin. Oil Co
A. G. Newman.
J. J. Read.
Esterbrook Pen Co.
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Brooks, Shoobridge & Co.
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Springfield Foundry Co.
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J. Reynolds & Son.
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Bureau Bros.
R. W. Parry.
Peninsular Metal Works.
Flanagan & Biedenweg.
J. & R. Lamb.
Pittsburgh Mineral Wool Co.
Sims & Millard.
R. C. Smith.
Merchant & Co.
J. Bardsley.

IMPORTS OF BUILDING MATERIALS, Etc.

From Leghorn.—Steamer "*Italia*," 5 blocks marble, Denning Marble and Granite Co.; 37 do., order.

From London. — Steamer "*St. Enoch*," 4,200 casks cement, order. Steamer "*Persian Monarch*," 1,000 casks cement, McLean & Co.; 750 do., Howard Fleming; 500 do., E. Thiele. Steamer "*England*," 250 casks cement, Marcial & Co.; 1,000 casks cement, Bank of British North America; 750 do., order. Bark "*Atlantic*," 300 casks Portland cement, Chas. J. Stevens; 3,000 do., order.

From Santa Cruz. — Brig "*Annie Batchelder*," 1,335 pieces cedar, 612 do. mahogany, Edwin W. Adams & Co.

From Vera Cruz. — Steamer "*Mumuri*," 261 pieces marble, 33 blocks do., Reinhold G. Ledig.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

ALTERATIONS.

Boston, Mass. — *Summer St.*, cor. Devonshire St., addition of one story to be divided into offices; new elevator, etc.; owners, Manufacturers' National Bank; builders, Miller Bros.

Court St., Nos. 109-113, Ward 7, alterations to building for theatrical purposes; owner, Harriet M. Pitman; builder, John H. Laskey.

Causeway St., cor. Friend St., Ward 7, alterations to factory; owner, James H. Beal; builders, Whidden & Co.

Camden, N. J.—*Liberty St., No.* 510, one-st'y brick addition; owners, Sil-Crusta Manufacturing Co.

(*Continued on page* xix.)

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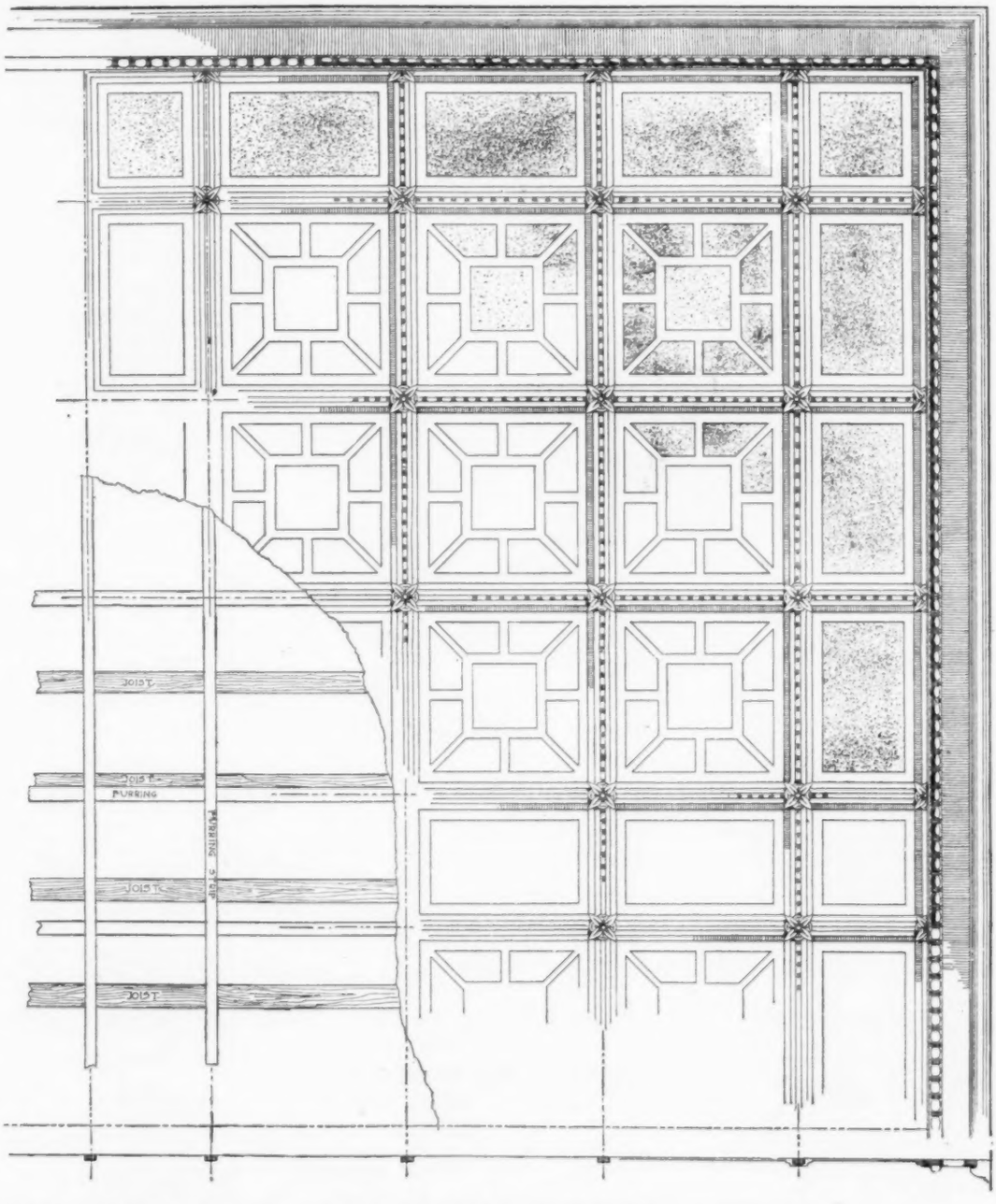

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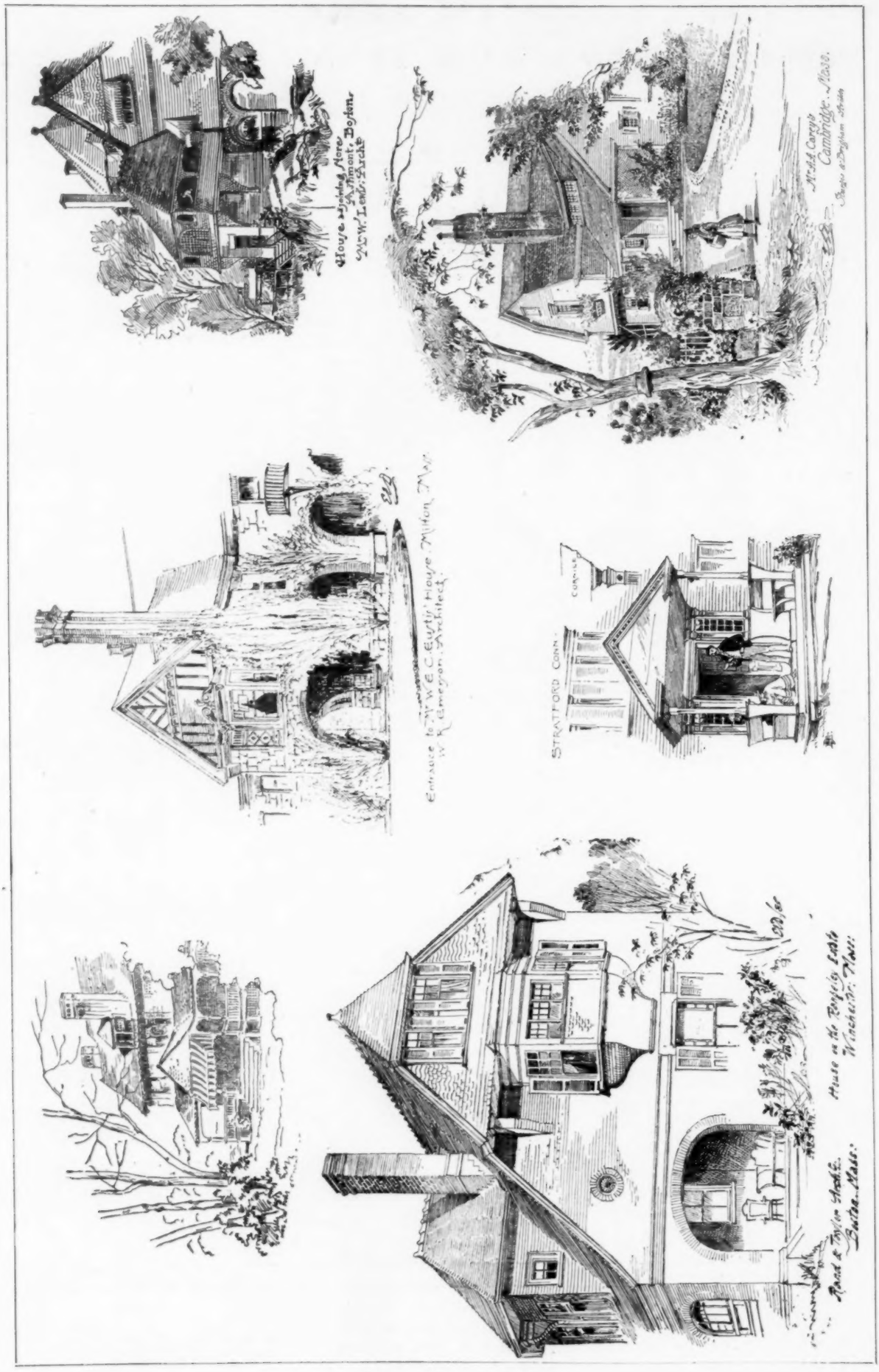

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BUILDING INTELLIGENCE.

John Shank, addition, 24 May St.; cost, $1,500.
J. Horsky, addition, Way and One Hundred and Seventh Sts.; cost, $1,200.
C. J. Warren, addition, 49-53 River St.; cost, $25,000.
John Ernest, addition, 2830 Ashland Ave.; cost, $1,400.
P. Rosenon, addition, 1519 Wolfram St.; cost, $1,400.
S. Justin Benke, addition, 87 Emma St.; cost, $1,000.
Thomas Riley, two-st'y addition, 3946 Wentworth Ave.; cost, $1,600.
Chicago & Eastern R. R., one-st'y addition, 137-141 Twelfth St.; cost, $3,000.
Matt Reiderick, two-st'y addition, 1036 Wolfson St.; cost, $2,000.
M. E. Cornelius, two-st'y addition, 729 Sheffield Ave.; cost, $1,000.
John Witt, addition, 1028 George St.; cost, $1,000.
C. H. Wilcox, two-st'y addition, 109 Leavitt St.; cost, $1,500.
C. Perrot, two-st'y addition, 2117 Thirty-eighth St.; cost, $1,800.
G. B. Nikadon, brick basement, 86 Ashland Ave.; cost, $2,000.
Charles Luelka, two-st'y addition, 195 West Thirteenth St.; cost, $15,000.
H. Sanders, one-st'y addition, 4432 School St.; cost, $1,200.
George Tucker, one-st'y addition, 4603 State St.; cost, $1,500.
Charles Melcher, two-st'y addition, 77-79 East Madison St.; cost, $1,500.
A. Bundt, one-st'y addition, 502 West Chicago Ave.; cost, $1,200.
B. J. Strong, brick basement, 3506 Dearborn St.; cost, $1,200.
Joseph Suchmacher, two-st'y addition, 185 Weed St.; cost, $3,000.

Philadelphia, Pa. — *South Front St., No.* 1916, one-st'y back addition to building; owner, F. Heppe.
North Front St., No. 112, one-st'y addition to storehouse; contractor, A. F. McCorkell, 2035 North Ninth St.
Columbia Ave., Nos. 1220 *and* 1223, interior alterations to two buildings; contractor, R. B. Clark, 778 North Twenty-seventh St.
Germantown Ave., No. 1306, new front to dwell.; builder, P. Weber, 332 Master St.
Poplar St., No. 2727, front alterations to dwell.; builder, C. D. Hill, 1511 North Twenty-seventh St.
Chestnut St., No. 1235, interior alterations; builder, C. D. Haines, n e cor. Chestnut and Fifth Sts.
North Fifteenth St., No. 102, front alteration; builders, J. W. Saunders & Son, 230 North Twenty-second St.
Wissahickon Ave., e s, s Cresson St., interior alteration; contractors, Milne & Brown, Cresson and Vassar Sts.
Hutchinson St., No. 1518, interior alteration; owner, T. W. Smaltz, 1545 Hutchinson St.
Broad St., s w cor. Fitzwater St., alteration; contractor, Robert Carrour, 2012 Manton St.
Broad St., n e cor. Adrian St., alteration; owner, D. M. Collamer, n e cor. Thirteenth and Butler Sts.
Lehigh Ave., Nos. 2626-28, two-st'y front alteration to dwell.; contractor, John Brady, 1423 North Eighteenth St.
Front St., e s, n Susquehanna Ave., internal alteration and two-st'y back building; contractors, J. M. Buchanan & Bro., 2135 Howard St.
Dean St., No. 1242, interior and exterior alterations; contractor, Pat'k Claffy, 2102 Fitzwater St.
North Fifteenth St., No. 1220, addition to back building; owner, Frank Koening, 1220 North Fifteenth St.
Chestnut St., No. 1719, rear, one-st'y bay window; contractor, J. C. Moore, 4201 Walnut St.
Oxford St., n e cor. Josephine St., one-st'y addition on factory; contractor, Wm. Yelland, cor. Ruan and Edward Sts.
Moore St., No. 114, two-st'y addition to cooperage; contractors, Mitchell & Myers, 250 Tasker St.
Green St., No. 329, front and interior alteration; contractor, Philip Haibach, Twenty-sixth and Thompson Sts.
South Front St., No. 1547, one-st'y addition of back building; owner, John McCrean, on premises.
Fitzwater St., No. 2043, one-st'y addition to back building; contractor, Porter Thompson, 2037 Filbert St.

Rockport, Mass. — Additions to Turk's Head Inn; builder, Orlando C. Higgins; architect, H. M. Stephenson, Boston.

Weymouth, Mass. — Addition to frame dwell.; owner, Parker C. Chandler; architect, H. M. Stephenson, Boston.

APARTMENT-HOUSES.

Baltimore, Md. — The Arundel Building Co. will build a five-st'y apartment-house, cor. Charles St. and Mt. Royal Ave., to cost about $65,000.

Brooklyn, N. Y. — *Eighth St.*, s s, 135′ w Fourth Ave., 2 four-st'y brick flats, tin roofs; cost, $6,000 each; owner, Michael Maguire, 225 Ninth St.; architect, George W. Kenny, 259 Ninth St.

Chicago, Ill.—W. C. Nemeir, two-st'y flats, 97 Moore St.; cost, $4,000.
George Sunderman, two-st'y flats, 539 Thomas St.; cost, $1,800.
P. B. Peterson, two-st'y flats, 3812 Parnell Ave.; cost, $2,400.
Louis Schuman, two-st'y flats, 518-520 West Paulina St.; cost, $4,000.
Charles E. Walters, 7 three-st'y flats, 2824-42 Vernon St.; cost, $5,000.
C. Walters, three-st'y flats, 667 Superior St.; cost, $3,000.
Benedict Kansel, three-st'y flats, 885 West Twelfth St.; cost, $5,500.
Charles J. Kassig, two-st'y flats, 222 Hoffman Ave.; cost, $2,000.
L. Hanson, three-st'y flats, 18 Fay St.; cost, $6,000.
Mrs. E. Shaus, two-st'y flat, 3549 Wentworth Ave.; cost, $3,000.
Joseph Glenake, two-st'y flats, 465 Wood St.; cost, $1,800.

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BUILDING INTELLIGENCE.

N. Jacobs, two-st'y flats, 928 Wellington St.; cost, $3,300.
E. Dalton, two-st'y flats, 8906 Exchange St.; cost, $3,000.
J. C. Krass, three-st'y flat, 235 Maxwell St.; cost, $3,500.
Franz Hein, two-st'y flat, 1579 Filmore St.; cost, $2,500.
John Williams, three-st'y flats, 1181 West Congress St.; cost, $8,000.
Patrick Kellehar, two-st'y flats, 3021 Portland Ave.; cost, $4,000.
T. R. Stone, two-st'y flats, Sixty-eighth and Winter Sts.; cost, $2,800.
Mr. Kransbee, two-st'y flats, 1101 Blue Island Ave.; cost, $6,000.
John Costello, two-st'y flats, 870 Mead St.; cost, $1,000.
Vernon Lee, 2 two-st'y flats, Sixty-first and Union Sts.; cost, $5,800.
J. D. Taylor, two-st'y flats, 447 Cedar St.; cost, $2,000.
John Nelson, two-st'y flats, 5725 Atlantic St.; cost, $2,500.
William Quinn, two-st'y flats, Tracy and Forty-fifth Sts.; cost, $1,300.
Frank Harke, two-st'y flat, 880-888 Hammer Ave.; cost, $3,000.
William M. Handley, two-st'y flats, 4434 Langley Ave.; cost, $4,000.
Anton Martin, two-st'y flats, 1155 West Chicago Ave.; cost, $3,300.
James Johnson, three-st'y flats, 3743 Wallace St.; cost, $4,600.
W. Welch, two-st'y flats, 1185 Fulton St.; cost, $2,700.
N. F. Willard, two-st'y flats, 364 Johnson St.; cost, $5,700.
William Wiski, two-st'y flats, 793 Elk Grove; cost, $3,000.
A. C. Payton, two st'y flats, 1075 West Taylor St.; cost, $3,800.
John Durkin, two-st'y flats, 853 Kedzie Ave.; cost, $3,800.
Hans Anderson, 2 two-st'y flats, 150-152 Mozart St.; cost, $2,800.
Mrs. C. Stabewen, three-st'y flats, 81 Ruby St.; cost, $3,500.
William Peth, two-st'y flats, 434 North Ruby St.; cost, $3,400.
W. T. Lesher, 15 two-st'y flats, Dickey and St. Louis Aves.; cost, $30,000.
W. T. Lesher, 12 two-st'y flats, Dickey and St. Louis Aves.; cost, $24,000.
W. T. Lesher, 20 two-st'y flats, Dickey Ave., near St. Louis Ave.; cost, $40,000.
L. Murray, two-st'y flats, Seventy-first and Sangamon Sts.; cost, $3,000.
W. J. Malcolm, 2 two-st'y flats, 45 Wallace St.; cost, $3,000.
S. Dylerin, two-st'y flats, 4523 Page St.; cost, $1,500.
Jones Bros., two-st'y flats, 1671 Carroll St.; cost, $2,100.
S. Mackowski, two-st'y flats, 829 Thirty-second St.; cost, $3,000.
Joe Pillard, three-st'y flats, 689 Cornell St.; cost, $2,200.
Mrs. A. Rowe, two-st'y flats, 206 Van Buren St.; cost, $1,800.
L. M. Stratton, two-st'y flat, Wharton and Sixty-fifth Sts.; cost, $3,000.
John Machowski, two-st'y flats, 6917 Escanaba Ave.; cost, $1,000.
Joseph Gricholjki, two-st'y flats, 723 Racine Ave.; cost, $2,600.
W. Lamson, two-st'y flats, 1385 Jackson St.; cost, $8,000.
Mrs. Sarah Valentine, three-st'y flats, 2340 Prairie Ave.; cost, $30,000.
Charles R. Carlberg, two-st'y flats, 3630 Fifth Ave.; cost, $3,500.
Miss Ella M. Blim, two-st'y flats, 1169 Lawndale Ave.; cost, $3,200.
A. Rasmusson, two-st'y flats, 523 West Ohio St.; cost, $1,800.
John Peterson, three-st'y flats, 48 Grove Ct.; cost, $2,000.
Mike Mak, three-st'y flats, 722 Throop St.; cost, $5,800.
N. Hughes, two-st'y flats, 55 Sholto St.; cost, $3,200.
Mrs. Anna McCann, three-st'y flats, 596 Kedzie Ave.; cost, $3,500.
C. Schunck, two-st'y flats, 4432 Indiana Ave.; cost, $4,000.
John Tewell, two-st'y flats, 9056 Superior Ave.; cost, $1,500.
F. Johnson, 2 two-st'y flats, 4857 Michigan Ave.; cost, $9,000.
Henry Rodleft, two-st'y flats, 10358 Avenue J; cost, $1,500.
Charles West, two-st'y flats, 1648 Melrose St.; cost, $2,500.
John Honrichs, two-st'y flats, 1799 Ashland Ave.; cost, $1,500.
William Moritz, two-st'y flats, 1294 Ashland Ave.; cost, $1,500.
H. L. Huntington, three-st'y flats, 2704 Dearborn St.; cost, $8,000.
W. C. Neomsin, two-st'y flats, 97 Moore St.; cost, $4,000.
Swan J. Almquist, two-st'y flats, Fifty-ninth St., near Halsted St.; cost, $2,400.

(Continued on page xx.*)*

ELECTRIC LIGHT AND COMBINATION GAS FIXTURES.

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BUILDING INTELLIGENCE.

N. Baltes, two-st'y flats, Fifty-first St., near Hart Ave.; cost, $1,800.

John Snider, two-st'y flats, 4205 Atlanta St.; cost, $1,400.

New York, N. Y. — *East One Hundred and Twenty-first St., No. 227*, five-st'y brick flat, tin roof; cost, $22,000; owner, H. D. A. Bauhahn, 2154 Second Ave.; architect, John C. Burne, 1531 Third Ave.

One Hundred and Second St., n e cor. Park Ave., 9 five-st'y brick flats, tin roofs; cost, $120,000; owner, Frederick Rohrs, 302 East One Hundred and Twenty-sixth St.; architect, Walter C. Hornum, 150 East One Hundred and Twenty-fifth St.

Sixty-fourth St., s s, 100′ e Grand Boulevard, 2 five-st'y brick flats, tin roofs; cost, $44,000; owner, William Rankin, One Hundred and Sixty-third St. and North River; architect, James W. Cole, 403 West Fifty-first St.

Sixth St., No. 223, five-st'y brick flat, tin roof; cost, $16,000; owner, Balthaser Bosch, 223 Sixth St.; architects, Kurtzer & Rohl, 1-3 Third Ave.

East Twenty-ninth St., No. 235, five-st'y brick flat, tin roof; cost, $18,000; owner, Harriet Gleason, 240 East Thirtieth St.; architect, William Graul, 215 Bowery.

Cherry St., n s, 26′ 3″ e Rutger St., 4 five-st'y brick flats, tin roofs; cost, $71,000; owners, Weil & Mayer, 227 East Sixtieth St.; architect, Geo. F. Pelham, 1481 Broadway.

Eighty-eighth St., n s, 86′ e First Ave., five-st'y brick flat, tin roof; cost, $20,000; owner, Margaret Breman, 405 East Eighty-eighth St.; architect, John Hauser, 323 East Eighty-third St.

Eighty-seventh St., s e cor. Second Ave., five-st'y brick flat, tin roof; cost, $40,000; owner, Mary R. Stewart, 6 Fifth Ave.; architects, Renwick, Aspinwall & Russell, 71 Broadway.

Second Ave., e s, 40′ s Eighty-seventh St., five-st'y brick flat, tin roof; cost, $55,000; owner, Serina Rhinelander, 14 North Washington Sq.; architects, Renwick, Aspinwall & Russell, 71 Broadway.

Eighty-fourth St., s s, 91′ e Amsterdam Ave., 2 five-st'y brick flats, tin roofs; cost, $56,000; owner, Robert J. McGirr, 159 East One Hundred and Twenty-first St.; architects, Thom & Wilson, 1267 Broadway.

Eighty-fourth St., s s, 118′ e Amsterdam Ave., five-st'y brick flat, tin roof; cost, $28,000; owner, Robert J. McGirr, 159 East One Hundred and Twenty-first St.; architects, Thom & Wilson, 1267 Broadway.

West Fifty-first St., No. 407, five-st'y brick flat, tin roof; cost, $20,000; owner, Anna M. Ott, 407 West Fifty-first St.; architect, James W. Cole, 403 West Fifty-first St.

First Ave., No. 2321, five-st'y brick, stone and terra-cotta flat; cost, $16,000; owner, F. Hoch; architects, Kurtzer & Rohl.

One Hundred and First St., n s, 100′ e Ninth Ave., 2 five-st'y brick and stone flats; owner, Wm. M. Walsh; architect, R. R. Davis.

One Hundred and Sixth St., s s, 150′ e Fifth Ave., 6 five-st'y brick and stone flats; owner, Edwin S. Updike; architects, Schneider & Herter.

Lexington Ave., s e cor. One Hundred and Tenth St., 2 five-st'y brick and brownstone flats and store; cost, $80,000; owner, John Hickey; architect, Edward Wenz.

St. Louis, Mo. — Two two-st'y brick flats; cost, $8,000; owners and contractors, Busey & Powers.

Worcester, Mass. — *Vernon St.*, three-st'y apartment-block; owner, Louis Dubreuil; contractor, Eli Belisle; architects, Barker & Nourse.

Grand St., three-st'y apartment block; owner, E. H. Cheney; architect, J. B. Woodworth; contract not let.

CHURCHES.

Houston, Texas. — The building of an edifice for Christ Church, to cost $50,000, is contemplated.

Iron-Work.

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ESTABLISHED 1840.

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BUILDING INTELLIGENCE.

Meriden, Conn. — Brick and stone Evang. Luth. Church; cost, $30,000; architects, Tolan & Riedel, Fort Wayne, Ind.; contracts not let.

Universalist Society, brownstone church, Norwood St.; cost, $50,000; architect, B. H. Seabury, Springfield, Mass.

Toledo, O.—The Polish Catholic Church are to build an edifice, to cost about $40,000; architect, J. Beck.

FACTORIES.

Chicago, Ill. — H. Freund, two-st'y factory, 552 Fulton St.; cost, $5,200.

N. Morris, two-st'y factory, 573-577 Thirty-fifth St.; cost, $6,000.

August Hener, two-st'y factory, 410-414 Hawthorne St.; cost, $10,000.

Sherman & Flavin, three-st'y factory, 2511-19 State St.; cost, $10,000.

Daniel R. Fraser, six-st'y factory, 232-234 South Clinton St.; cost, $50,000.

Huska, Nebola & Knowek, two-st'y factory, 4910 4916 Paulina St.; cost, $1,600.

S. J. Carter, five-st'y factory, 124-126 North May St.; cost, $20,000.

M. Solomon, two-st'y factory, 104-108 North Oakley Ave.; cost, $5,000.

Little Rock, Ark. — Southern Stone and Lumber Co., factory, Capital St. Ry.; cost, $25,000; architects, Rickon & Thompson.

New York, N. Y. — *East Twenty-ninth St., Nos.* 345-347, three-st'y brick factory, peak slate roof; cost, $45,000; owners, A. Koehler & Co., 29 First Ave.; architect, Otto Wolf, Philadelphia, Pa.

HOTELS.

Chicago, Ill. — H. A. Chapin, four-st'y hotel, 44 Sherman St.; cost, $10,000.

Detroit, Mich. — New hotel, cor. Monroe Ave. and Randolph Sts.; cost, abt. $25,000; architects, Donald & Meier.

New York, N. Y. — *Fort George Ave.*, two-st'y frame hotel; cost, $8,000; owner, Chas. C. Wendell; architect, Charles Sidney.

HOUSES.

Allston, Mass. — *Linden St.*, frame dwell., 36′ x 40′; cost, about $6,000; owner, Alonzo Meserve; builder, T. A. Sanford; architect, Willard M. Bacon, Boston.

Baltimore, Md. — Jas. Brooks, 3 two-st'y brick buildings (square), n s Lafayette Ave., bet. Myrtle Ave. and Fremont St.

Jno. D. Kersey, 7 two-st'y brick buildings, w s Dallas St., bet. Oliver and Federal Sts.

Jno. Black, 3 three-st'y brick buildings, w s High St., bet. Gay and Hiller Sts.

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Isaac S. George, three-st'y brick and stone building, w s Eutaw Pl. extension.

Geo. W. Dorsey, 5 two-st'y brick buildings, s s Winchester St., bet. Stockton and Carey Sts.

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Geo. Green, three-st'y brick building, e s Bond St., bet. Canton and Eastern Aves.

Brookline, Mass. — *Lanark and Kilsyth Roads*, frame dwell., 38′ x 48′; owner, Geo. E. Perrin; contract to be let; architect, Edwin J. Lewis, Jr., Boston.

Boston, Mass.— *Washington St.*, opp. Valentine St., Ward 21, three-st'y frame dwell., flat roof, 24.6′ x 57.9′; owner, Theodore Kraft; builder, W. McDonald.

Milton St., cor. Stockton St., Ward 24, three-st'y frame dwell., flat roof, 29′ x 51′; owner, Mrs. H. McCurdy; builders, Cassidy & Davis.

Oregon St., No. 13, *rear*, Ward 22, three-st'y frame dwell., flat roof, 26′ x 32′; owner, Michael Cronin; builders, Pierce Bros.

Forest Hill St., near Washington St., Ward 23, frame dwell., 24′ x 32′; owner, James Murphy; builder, John J. Flynn.

Templeton St., near Adams St., Ward 24, frame dwell., 22′ x 34.6′; owner, Mrs. W. E. Melvin; builder, H. P. Rich.

Pleasant Pl., near Savin Hill Ave., Ward 24, frame dwell., 20.9′ x 34.9′; owner, Susan E. McKechnie; builder, B. F. McKechnie.

Westville St., near Bowdoin Square, Ward 24, three-st'y frame dwell., hip roof, 25′ x 36′; owners, C. M. Carter and E. N. Capen; builder, J. O. Mason.

Iowa St., near Westville St., Ward 24, three-st'y frame dwell., hip roof, 21′ x 41′; owners, C. M. Carter and E. M. Capen; builder, J. O. Mason.

Chelsea St., No. 83, Ward 2, three-st'y frame dwell., fla. roof, 21.6′ x 46′; owner, Mrs. A. Killalea; builder, J. McInniss.

Ashmont St., cor. Ashmont Park, Ward 24, frame dwell., 29′ x 59′; owner and builder, Alexander Gunn.

Bower St., No. 34, Ward 21, three-st'y frame dwell., flat roof, 22′ x 40′; owner, Frederick A. Donnelly; builder, Anthony McDougal.

Branch St., near Medway St., Ward 24, frame dwell., 24′ x 32′; owner, H. C. French; builder, C. Karcher.

Kenwood St., near Allston St., Ward 24, frame dwell., 33′ x 37.6′; owner, O. H. Barnes; builders, H. S. & N. Clark.

Sumner Pl., off Sumner St., Ward 24, two frame dwells., each 26′ x 50′; owner and builder, B. S. Moxon.

Gladstone St., near Walley St., Ward 1, frame dwell., 32.6′ x 35.6′; owner, C. A. Ekholm.

Ashfield St., near Walter St., Ward 23, frame dwell., 24′ x 35.9′; owner and builder, H. D. Van Norden.

Clayton-St. Pl., near Clayton St., Ward 24, two frame dwells., each 24′ x 28′; owner, S. B. Pierce; builder, W. J. Jobling.

Grange-St. Pl., cor. Duncan St. and near Duncan St., Ward 24, two frame dwells., each 24′ x 28′; owner, S. B. Pierce; builder, W. J. Jobling.

Dana Ct., cor. Dana St., Ward 21, three-st'y frame dwell., flat roof, 29′ x 45′; owner, W. E. Ford; builder, M. Sullivan.

Edgewood St., near Warren St., Ward 21, three-st'y frame dwell., flat roof, 26′ x 51′; owner, H. W. Kelley; builders, R. D. Ward & Co.

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Hartford St., Nos. 5, 9 *and* 45, Ward 20, three frame dwells., each 21′ x 50′; owner, Annie E. Clifford; builder, A. P. Clifford.

Evans St., nearly opp. Thetford St., Ward 24, three-st'y frame dwell., flat roof, 25′ x 54′; owner, J. B. Blake; builder, L. D. Robinson.

Astoria St., cor. Elizabeth St., Ward 24, two-st'y frame dwell., hip roof, 28′ x 37′; owner, T. C. Creed; builder, J. H. Kellar.

Wigglesworth St., Nos. 25-29, Ward 22, 3 three-st'y brick dwells., flat roofs, 20′ x 40′; owner, Mrs. W. Hardcastle; builders, McGowan & Galvin.

Hatton St., near Franklin St., Ward 25, frame dwell., 24′ x 36′; owner, A. W. Hopkins; builder, H. A. Hopkins.

Josephine St., near Geneva Ave., Ward 24, frame dwell., 23′ x 42′; owner, W. L. Libby; builder, Hugh McNabb.

Brent St., near Washington St., Ward 24, frame dwell., 29′ x 40′; owner and builder, W. Peard.

James St., Ward 23, frame dwell., 30′ x 33.6′; owner, E. E. Biory; builders, Sittig Bros.

East Fourth St., near O St., three frame dwells. and a store; 2 three stories, flat roofs, 25.7′ x 54.8′; one two-story, flat roof, 20.4′ x 44.6′; owner, Walter S. Sampson; builders, Berry & Watson.

Buchanan St., near South St., 2 three-st'y frame dwells., flat roofs, 24′ x 30′ and 20′ x 30′; owner, O. P. Atwood; builder, L. L. P. Atwood.

Dorchester Ave., near Mt. Vernon St., Ward 15, 2 three-st'y frame dwells., flat roofs, one 21.6′ x 45.3′, the other 22′ x 40′; owner, Hugh Giblin; builder, J. F. Smith.

Mt. Vernon St., near Dorchester Ave., Ward 15, 2 three-st'y frame dwells., 21′ x 41′ and 21′ x 34′; owner, Hugh Giblin; builder, J. F. Smith.

Trull St., No. 11, Ward 24, frame dwell., 26′ x 49′; owner and builder, C. M. Little.

Boylston St., near Washington St., Ward 23, three-st'y frame dwell., flat roof, 22′ x 47′; owner and builder, Lorenzo Vose.

Fulda St., near Ellis St., Ward 21, three-st'y frame dwell., flat roof, 23′ x 44′; owner, J. Schwenderman; builder, P. F. Hanlon.

Tolman St., near Neponset Ave., Ward 24, frame dwell., 20′ x 30′; owner, Patrick Maguire; builder, F. Duffy.

Mitchell St., No. 14, frame dwell., 27′ x 50′; owner, George Sayward; builders, L. W. Clapp & Co.

Circuit St., near Walnut Ave., Ward 21, two frame dwells., 23′ x 53′; owner, Mrs. E. E. Moore; builder, J. H. Kellar.

Washington St., near Corinth St., Ward 23, 2 three-st'y frame dwells., flat roofs, 21′ x 59.2′; owner, Wm. Abe; builder, J. D. Barnes.

Nonquit St., Nos. 10-24, Ward 20, 8 two-st'y brick dwells., flat roofs, 21′ x 35′; owners, F. M. & A. G. Frost; builders, M. S. & G. N. Miller.

Perch St., near Pike St., Ward 20, 6 three-st'y brick dwells., flat roofs, 20′ x 28.6′; owner and builder, N. M. Jewett.

Brighton St., No. 112, cor. Milton St., Ward 8, three-st'y brick dwell., flat roof, 30′ x 38′; owner, Louis Keiffer; builders, M. S. & G. N. Miller.

Milton St., Ward 8, three-st'y brick dwell., flat roof, 26.6′ x 39′; owner, Louis Keiffer; builders, M. S. & G. N. Miller.

Egleston St., near Boylston St., Ward 23, frame dwell., 24′ x 44′; owner and builder, M. A. Blanchard.

Proctor St., near Fairview St., Ward 23, frame dwell., 21.9′ x 43.6′; owner, Elmer C. Groves.

Brookfield St., cor. South Fairview St., Ward 23, frame dwell., 22′ x 24′; owner and builder, Philip M. Brown.

Oak St., No. 30, Ward 4, three-st'y frame dwell., flat roof, 25.4′ x 68.9′; owner, Mrs. H. B. Murray.

Harvard St., No. 50, Ward 5, three-st'y frame dwell., 27.3′ x 51.9′; owner, Elizabeth N. Poole.

Tremont St., No. 61, Ward 3, three-st'y frame dwell., flat roof, 22′ x 67′; owner, Edward Moran; builders, Mahony & Nichols.

Chicago, Ill. — Berchard & Booke, two cottages, Nelson St., near Paulina St.; cost, $1,000.

John Hodeski, cottage, 8845 Manistee St.; cost, $1,100.

William Nelson, cottage, 6608 Michigan Ave.; cost, $1,800.

E. C. Ohlendorf, three-st'y dwell., 524 North Lincoln St.; cost, $7,000.

H. B. Taylor, cottage, 5333 Indiana St.; cost, $1,000.

Harry Burgess, cottage, 6668 Langley Ave.; cost, $1,800.

Gilbert Johnson, cottage, 66 Bryon St.; cost, $1,000.

A. M. F. Colton, three-st'y dwell., 426 East Chicago Ave.; cost, $8,000.

John Kralover, four cottages, 1112-20 Turner Ave.; cost, $3,600.

A. Olson, cottage, 8232 Portland St.; cost, $1,000.

J. F. Nelson, two-st'y dwell., 6455 Wharton St.; cost, $3,400.

V. Uhrlanski, cottage, 3314 Mosprat St.; cost, $1,200.

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Irving I. Stone, two-st'y dwell., Palmer and Leland Sts.; cost, $4,000.

I. Johnston, 3 two-st'y dwells., 5231-5235 Kimbark Ave.; cost, $10,000.

Detroit, Mich.—J. H. Woodman, frame dwell., 213 Putnam Ave.; cost, $3,000.

Thos. Coattel, frame dwell., 325 Hancock Ave.; cost, $3,000.

Malcomson & Co., brick dwell., 20 Ledyard St.; cost, $4,000.

Varney & Co., four brick dwells., 170-176 Jos Campau Ave.; cost, $13 000.

Malcomson & Co., frame dwell., 257 Hancock Ave.; cost, $3,500.

Dorchester, Mass.—*Wheatland Ave.*, frame dwell., 27′ x 42′; owner, Edward M. Davenport; contract to be let; architect, Edwin J. Lewis, Jr., Boston.

Wheatland Ave., frame dwell., 33′ x 53′; owner, Mrs. Abbie A. Davenport; contract to be let; architect, Edwin J. Lewis, Jr., Boston.

Haverford College, Pa.—Constable Bros., 151 Broadway, New York, have dwell. and stable under way for Mr. Farrelly.

Holyoke, Mass.—J. T. Hunter, dwell.; architect, J. Dalrymple.

Marion, Mass.—Frame dwell., 29′ x 89′; owner, Mrs. Augustus Nickerson; contract to be let; architect, Edwin J. Lewis, Jr., Boston.

BUILDING INTELLIGENCE.

Newton, Mass.—Frame dwell., 32′ x 53′; owner, Charles E. Eddy; contract to be let; architect, Edwin J. Lewis, Jr., Boston.

New York, N. Y.—*Seventy-fifth St.*, 400′ w Ninth Ave., 10 four-st'y brick and brownstone dwells.; cost, $350,000; owners, T. C. and George Edgar; architect, G. A. Schellenger.

Seventy-fourth St., s s, bet. Eighth and Ninth Aves., 4 four-st'y brick and stone dwells.; owner, C. W. Luyster; architect, Jno. H. Duncan.

Seventy-fourth St., s s, 300′ w Ninth Ave., five brick and stone dwells.; owner, James Curlew.

St. Louis, Mo.—Two-st'y frame dwell.; cost, $2,500; owner and contractor, E. Verstrade.

Two-st'y brick dwell.; cost, $3,200; owner, John Sheehan; contractor, Jno. Costello.

Two-st'y brick dwell.; cost, $2,900; owner, Wm. Atkinson; contractor, F. Booth.

Two-and-one-half-st'y brick dwell.; cost, $5,000; owner and contractor, P. Nolan.

Two-st'y brick dwell.; cost, $3,700; owner, T. Aring; contractor, H. Ellerman.

Two-st'y brick dwell.; cost, $3,000; owner, W. Möhlenhoff; contractors, Thielker Bros.

Two-st'y brick dwell.; cost, $4,000; owner, F. Scheffezle; contractor, W. C. Popp.

Two-st'y brick dwell.; cost, $4,200; owner, Mr. Klocke; contractor, H. W. Rocklage.

Two-st'y brick dwell.; cost, $2,500; owner and contractor, A. Johnson.

Two-st'y brick dwell.; cost, $9,000; owner and contractor, W. J. Martin.

Two-st'y brick dwell.; cost, $3,500; owner, Fred E. Cutger; contractor, A. Lassauer.

Two-st'y brick dwell.; cost, $4,500; owner and contractor, E. Wind.

Two-st'y brick dwell.; cost, $4,500; owner, Otto Starck; contractors, Schloss & Schneider.

Two-st'y brick dwell.; cost, $2,900; owner, Benj. Bade; contractor, Philip Tieman.

Toledo, O.—Frame dwell., Twentieth St.; cost, abt. $3,000; owner, E. D. Moore; architects, Bacon & Huber; contract not yet awarded.

Frame dwell., Jefferson St.; cost, abt. $8,500; owner, A. T. Colburn; architects, Bacon & Huber; builder, Wm. Peter.

BUILDING INTELLIGENCE.

Two-st'y brick dwell., Madison St.; cost, abt. $12,000; owner, J. Friedman; architect, D. L. Stine; builder, A. B. Wales.

Winthrop, Mass.—Frame dwell., 22′ x 40′; cost, abt. $3,500; owner and architect, Willard M. Bacon, Boston; builder, W. F. Wyman.

Frame dwell., 28′ x 44′; cost, abt. $4,000; owner, Henry Hutchinson; contract to be let; architect, Willard M. Bacon, Boston.

Worcester, Mass.—*Lovell St.*, frame dwell.; owner and contractor, P. A. Willett.

Malvern Road, two frame dwells.; owner, Jos. Perry; contractor, W. O. Burns.

PUBLIC BUILDINGS.

Lincoln, Mass.—Brick town hall, 45′ x 70′; contract to let; architect, H. Langford Warren, Boston.

Ashville, N. C.—Brick stable, 42′ x 52′; owner, Carolina Clay Co.; contract to let; architect, Edwin J. Lewis, Jr., Boston.

New York, N. Y.—*East Thirteenth St., No.* 712, one-st'y brick stable, tin roof; cost, $6,000; owner, Jacob Fisher, 192 Avenue C; architect, Louis F. Heinecke, 62 Bowery.

Winthrop, Mass.—Frame stable, 22′ x 33′; cost, abt. $3,000; owner, O. E. Lewis; contract to let; architect, Willard M. Bacon, Boston.

STORES.

Brooklyn, N. Y.—*Rockaway Ave.*, e s, 50′ n Vermont Ave., 2 three-st'y frame stores and dwells., tin roofs; cost, $8,500 each; owner, Samuel Levy, Rockaway and Vermont Aves.; architects, Danmar & Fischer, 2921 Atlantic Ave.

Jefferson St., n s, 245′ w Knickerbocker Ave., 3 four-st'y frame stores and dwells., tin roofs; cost, $17,000; owner, Wm. Young, Devoe and Olive Sts.; architect, E. Schrempf, 36 Monteith St.

Chicago, Ill.—Mrs. Mary F. Gage, two-st'y stores and flats, Fulton and Forty-second Sts.; cost, $1,800.

Mr. O. Brien, three-st'y stores and flats, 229 Ogden Ave.; cost, $7,000.

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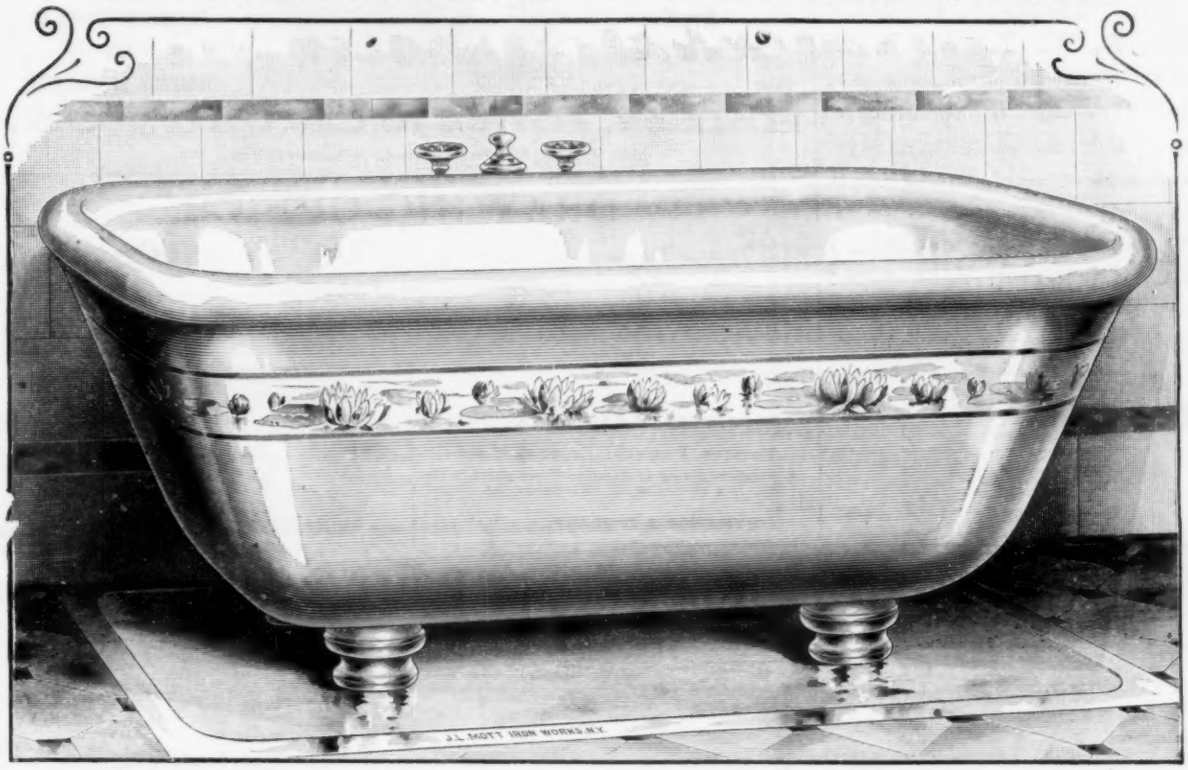

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New York, N. Y. — *Sixth St., No.* 225, five-st'y brick tenement, tin roof; cost, $14,000; owner, Balthaser Bosche, 223 Sixth St.; architects, Kurtzer & Rohl, Nos. 1-13 Third Ave.

WAREHOUSES.

Baltimore, Md. — Four-st'y brick warehouse, s s Pratt St., bet. Charles and Hanover Sts.; owner, Wm. F. Young.

Chicago, Ill.—Martin & Barton, two-st'y warehouse, 1398 Carroll Ave.; cost, $1,200.

Holyoke, Mass. — Four-st'y warehouse, Race St.; owners, Judd Paper Co.; architects, Geo. W. Richards & Co., Boston.

New York, N. Y.—*North Moore St., Nos.* 63-69, 2 six-st'y brick and stone warehouses; owner, Samuel Kampner; architect, H. Dudley.

MISCELLANEOUS.

Brooklyn, N. Y.—*Thirty-fourth St.*, s s, 200′ e Third Ave., two-st'y brick pattern-making shop, tin roof; cost, $3,000; owners, The Robert Graves Co., Thirty-fifth St. and Third Ave.; architect, Benj. Finkensieper, 93 Broadway.

Chicago, Ill. — National Machine Works, two-st'y machine-shops, Weed St. and Sheffield Ave.; cost, $5,000.

August Ortlepp, three-st'y bakery and flats, 2771-2779 Indiana St.; cost, $11,000.

Detroit, Mich. — Thos. Zot'owski, brick brewery, 753-755 Hastings St.; cost, $10,000.

Open Door Society, new building, cor. Forest Ave. and Hastings St.; cost, abt. $20,000; architect, Gordon W. Lloyd.

Women's Hospital and Foundlings' Home, new building, cor. Forest Ave. and Beaubian St.; cost, abt. $5,500; architect, Gordon W. Lloyd.

The prospects for a good season in the building lines are not very bright at the present time.

New York, N. Y.—*Fourth Ave.*, e s, 58′ n Fiftieth St., five-st'y brick storage building, mansard composition roof; cost, $50,000; owners, The F. & M. Schaefer Brewing Co., Fourth Ave., bet. Fifty and Fifty-first Sts.; architect, Otto C. Wolf, Philadelphia, Pa.

Lexington Ave., e s, 80′ n One Hundred and Twentieth St., two-st'y brick storage building, tin roof; cost, $3,000; owner, John Kierns, 147 East One Hundred and Twenty-first St.; architect, John C. Burne, 1531 Third Ave.

Toledo, O. — Five-st'y brick and stone building, St. Clair St.; cost, abt. $22,000; owners, the Toledo *Bee* Co.; architects, Bacon & Huber; contract not yet awarded.

Troy, N. Y. — *Pawling Ave.*, brick and stone orphan asylum, 50′ x 290′, with L's 34′ x 150′, Tudor style; contract to let; architect, H. Langford Warren, Boston.

Worcester, Mass. — *Lafayette St.*, one-st'y bottling shop; owners, Bowler Bros., Brewers; contractor, U. Jacques; architects, Barker & Nourse.

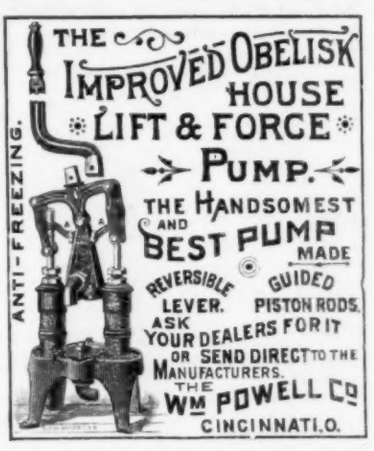
PROPOSALS.

March 19, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 9th day of April, 1891, for furnishing and delivering at the freight depot at point of destination, safes for United States Government buildings at the following cities, viz: Manchester, N. H.; Marquette, Mich.; Newark, N. J.; Nebraska City, Neb.; Newport, R. I.; Providence, R. I.; Shreveport, La.; St. Paul, Minn.; Springfield, Mass.; Toledo, O.; Wiscasset, Me., in accordance with the specification, copies of which may be had on application at this office. Each bid must be accompanied by a certified check for one hundred dollars ($100), drawn to the order of the Treasurer of the United States. The Department will reject all bids received after the time fixed for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposals for Safes for Government Buildings," and addressed to JAMES H. WINDRIM, Supervising Architect. 797

Proposals for Cut-granite. Office of Building for Library of Congress, No. 145 East Capitol Street, Washington, D. C., March 24, 1891. Sealed proposals for furnishing and delivering the cut-granite of light-blue-gray color and fine grain required for the chimney, two small lodges and curbing of the boiler-room, and for pump-beds and girder templates, for the building for the Library of Congress, in this city, will be received at this office until 2 o'clock P. M. on Saturday, the 18th day of April, 1891, and opened immediately thereafter in presence of bidders. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application at this office. BERNARD R. GREEN, Superintendent and Engineer. 798

March 17, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 9th day of April, 1891, for all the labor and materials required for the excavation, concrete and stone foundation, stone and brick work of the basement and area walls for the United States Court-house and Post-office building at Wilmington, Dela., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Wilmington, Dela. Each bid must be accompanied by a certified check for $200. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in an envelope sealed and marked "Proposal for the Excavation, Concrete and Stone Foundations, Stone and Brick Work of the Basement and Area Walls for the United States Court-house and Post-office building at Wilmington, Dela.," and addressed to JAS. H. WINDRIM, Supervising Architect. 796

March 11, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 2d day of April, 1891, for all the labor and materials required to fix in place complete the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States appraiser's stores building at Chicago, Ill., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Chicago, Ill. Each bid must be accompanied by a certified check for $200. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposal must be enclosed in an envelope sealed and marked "Proposal for a Low-pressure, Return-circulation, Steam-heating and Ventilating Apparatus, etc., for the United States Appraiser's Stores building at Chicago, Ill.," and addressed to JAS. H. WINDRIM, Supervising Architect. 796



PROPOSALS.

March 14, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 7th day of April, 1891, for the labor and materials required for the approaches to the United States Post-office, Court-house, etc., building at Binghamton, N. Y., in accordance with drawing and specification, copies of which may be had on application at this office or the office of the Superintendent at Binghamton, N. Y. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time fixed for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposal must be enclosed in an envelope sealed and marked "Proposal for the Approaches to the United States Post-office, Court-house, etc., building at Binghamton, N. Y.," and addressed to JAS. H. WINDRIM, Supervising Architect. 796

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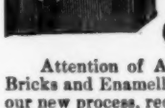

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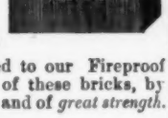

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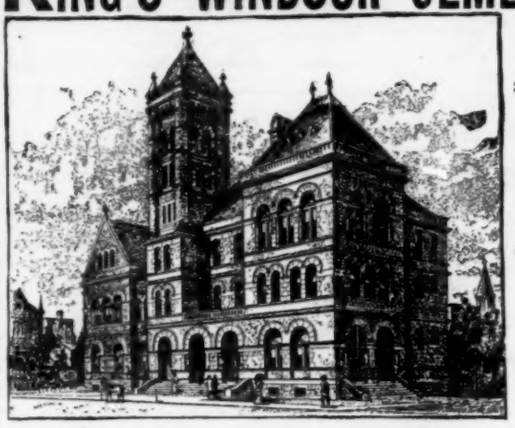

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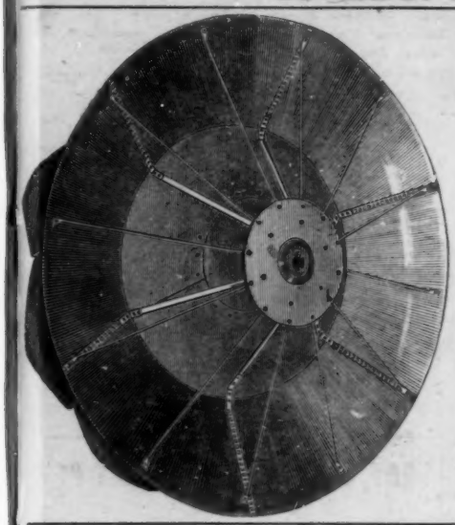

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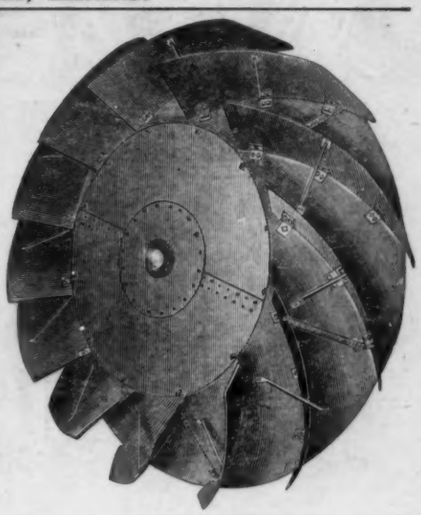

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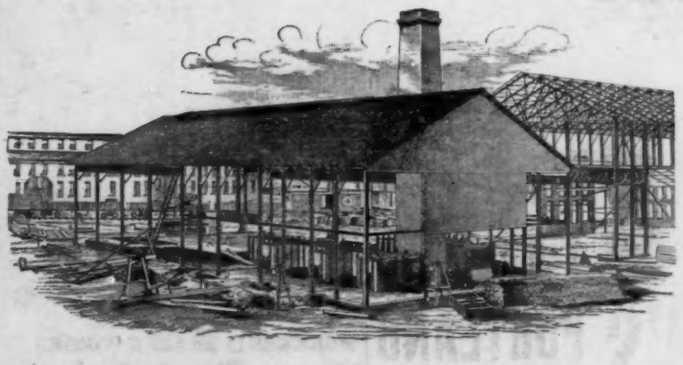

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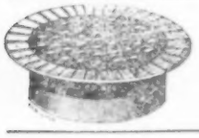

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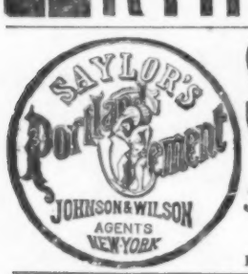

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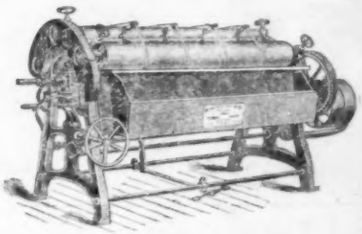

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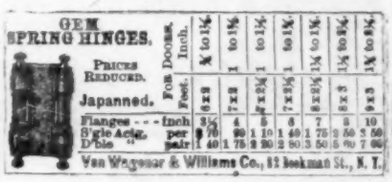

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